

20014914, 102201

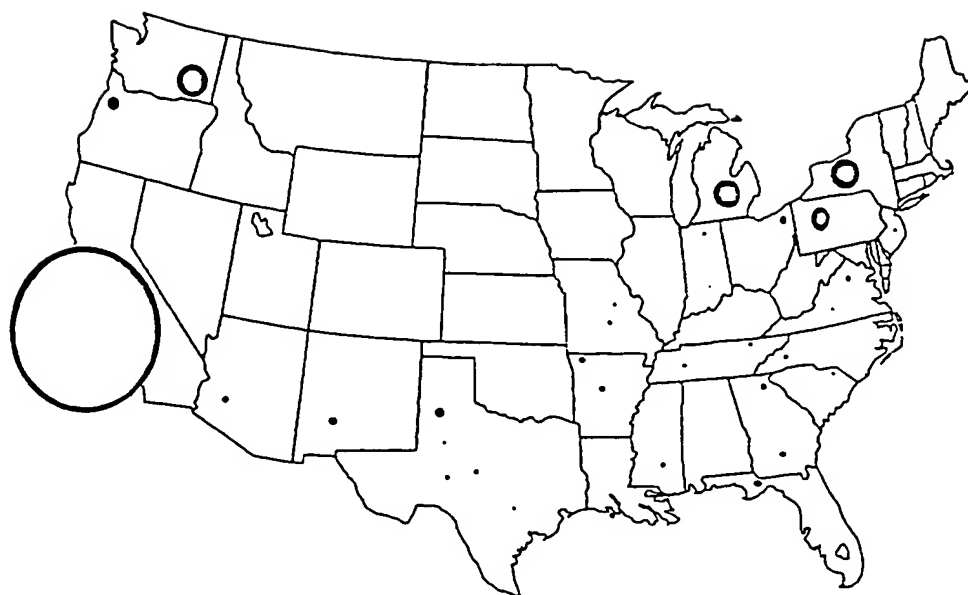


FIG. 1

FIG. 2

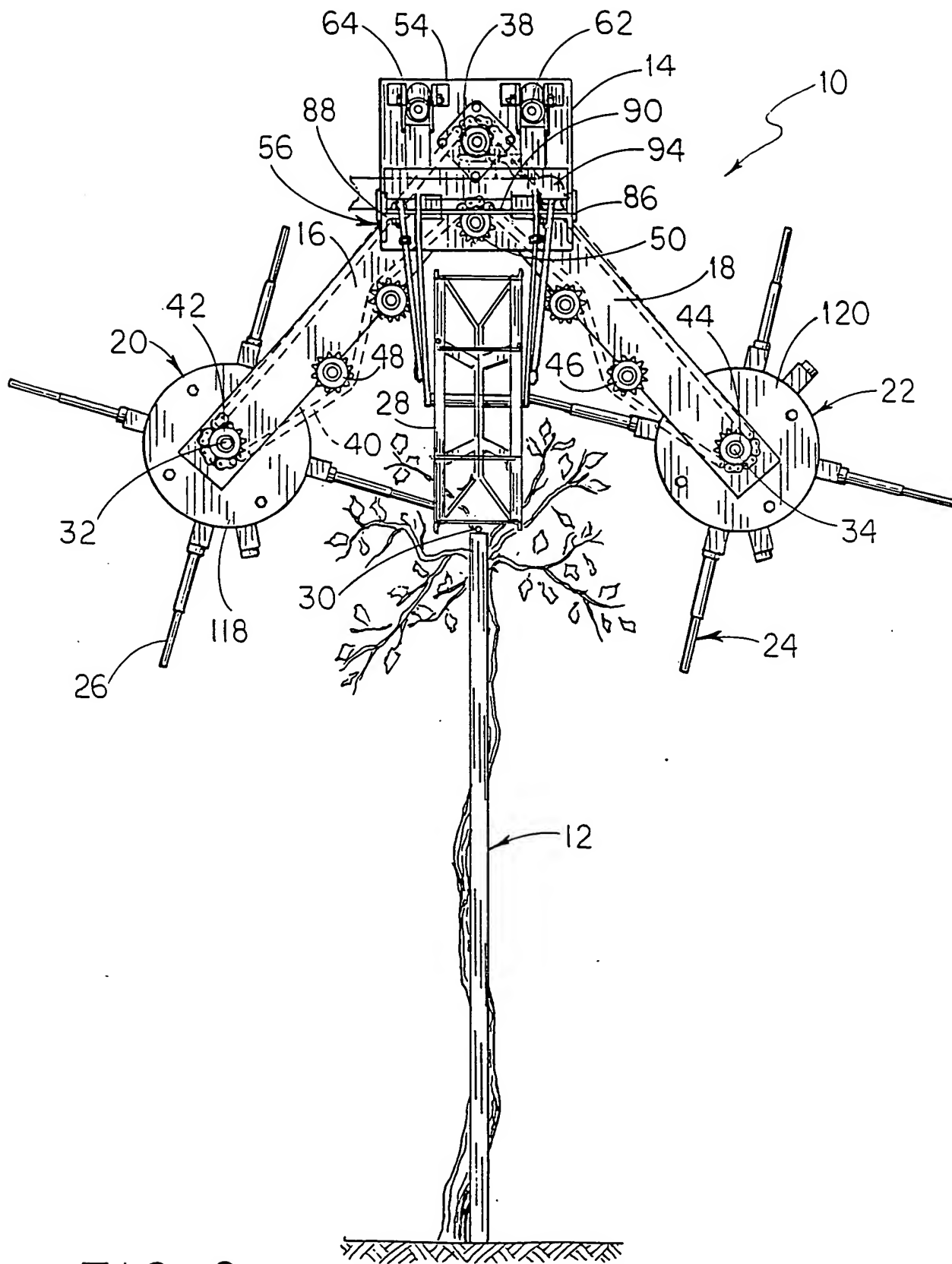


FIG. 2

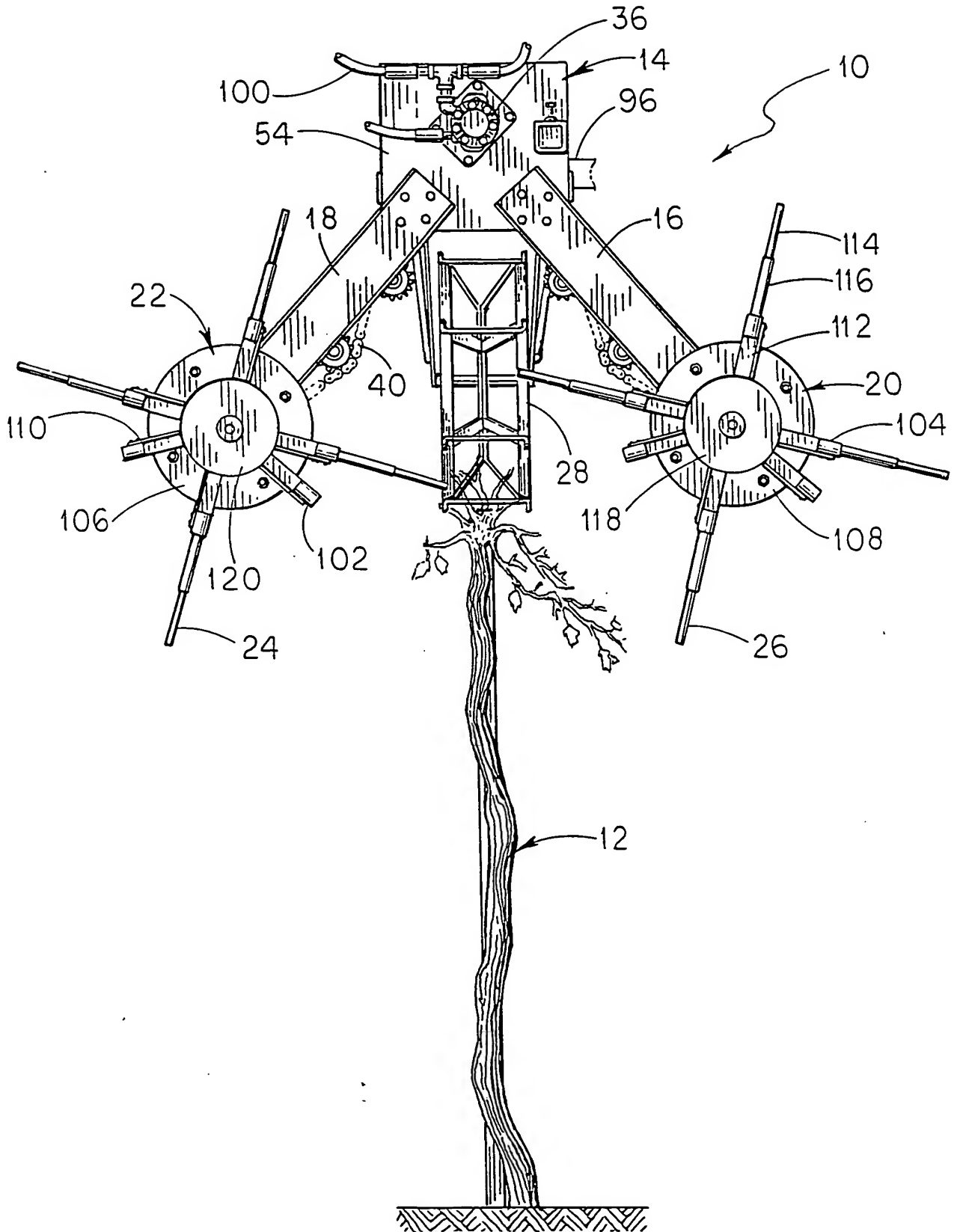


FIG. 3

10014914-102201

FIG. 4

1004944-10201

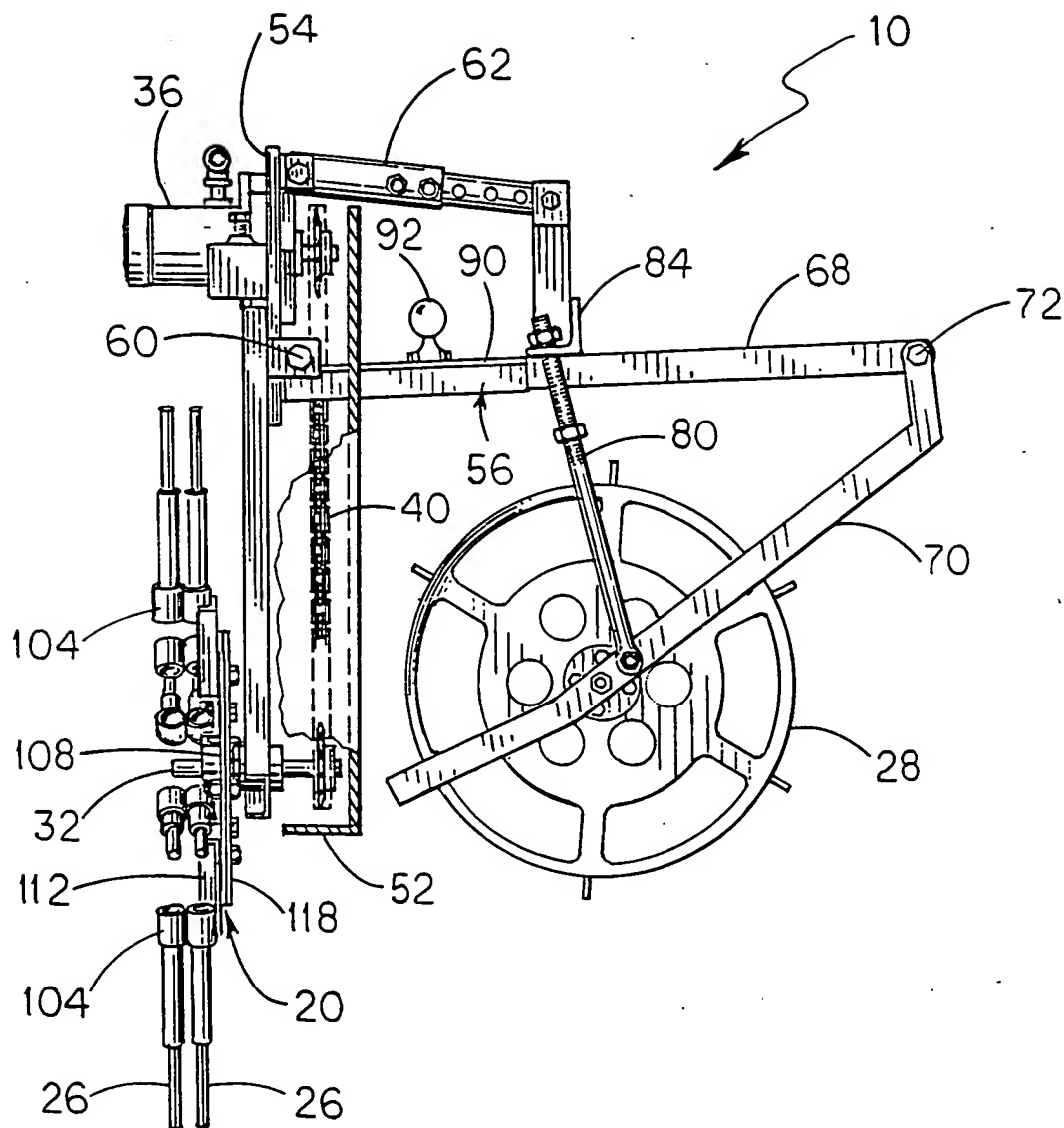


FIG. 5

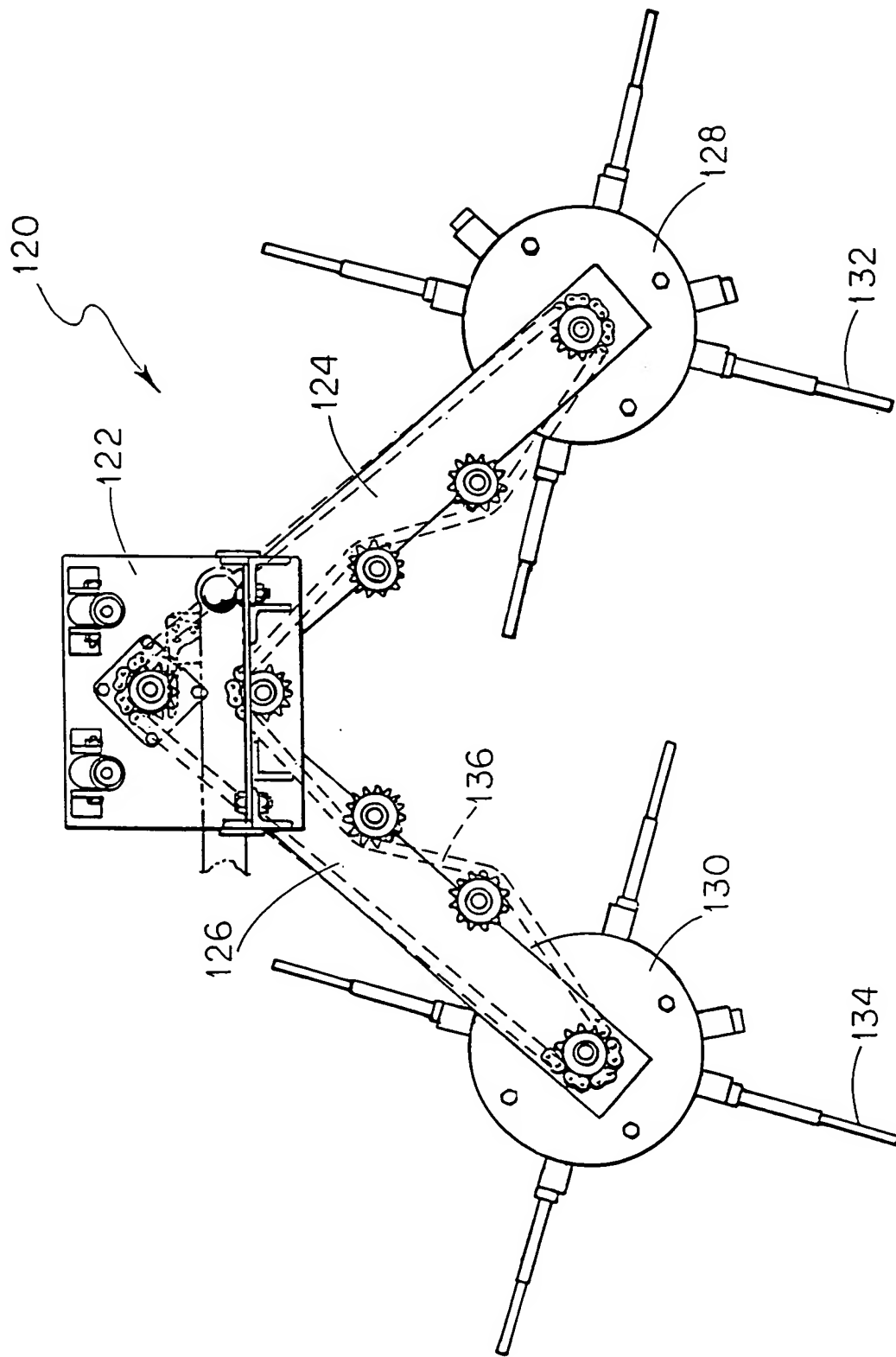


FIG. 6

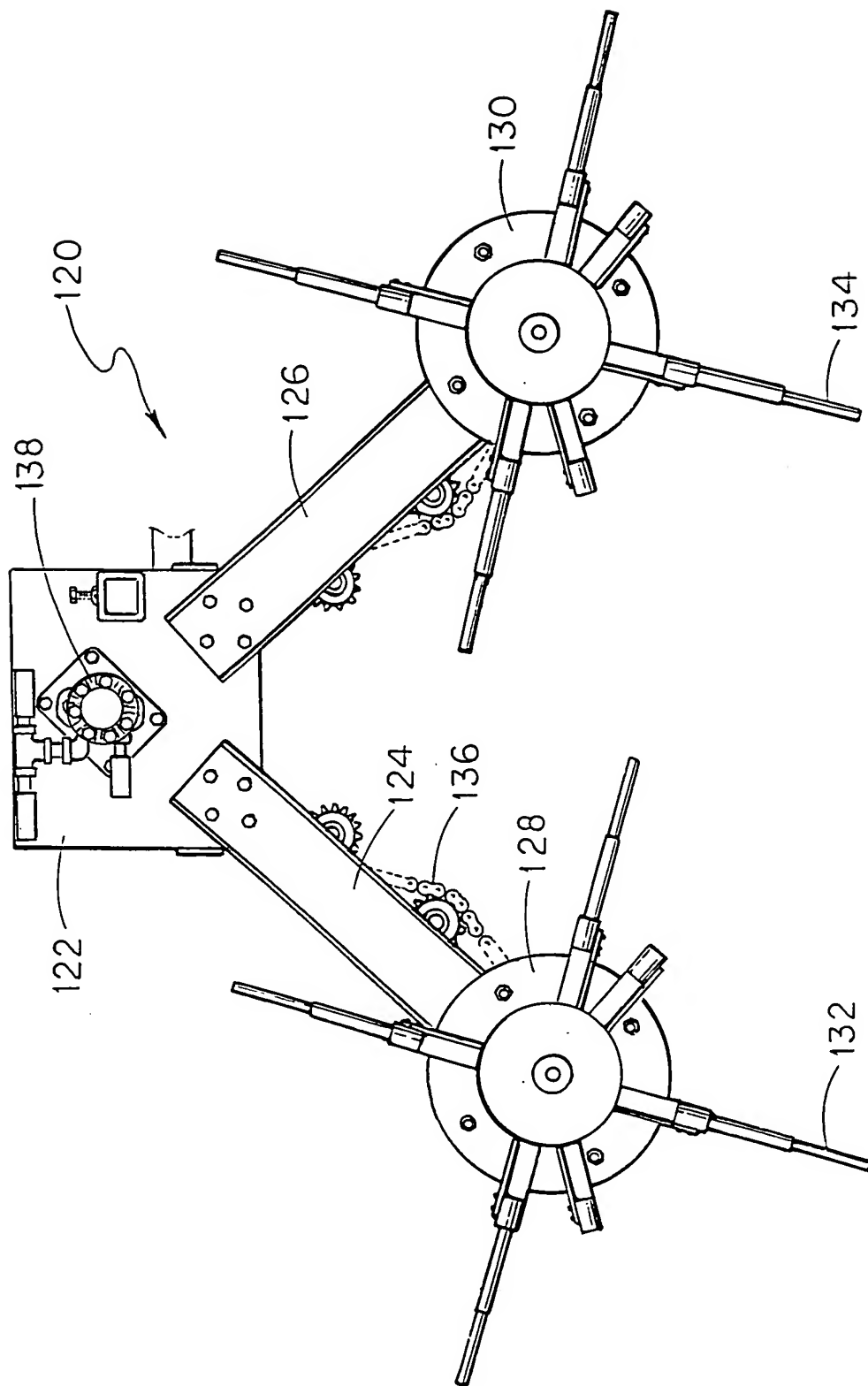
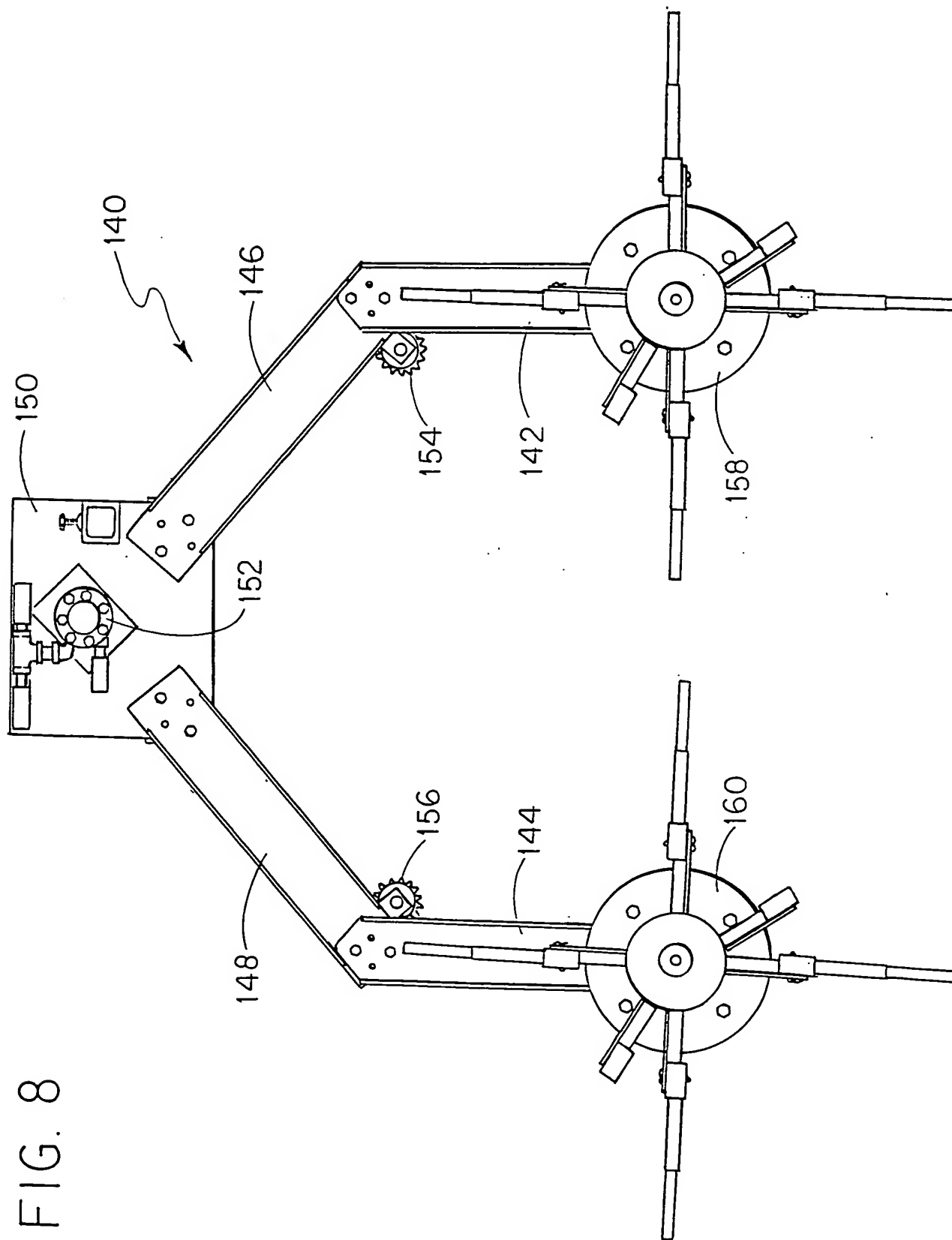


FIG. 7

8
F/G

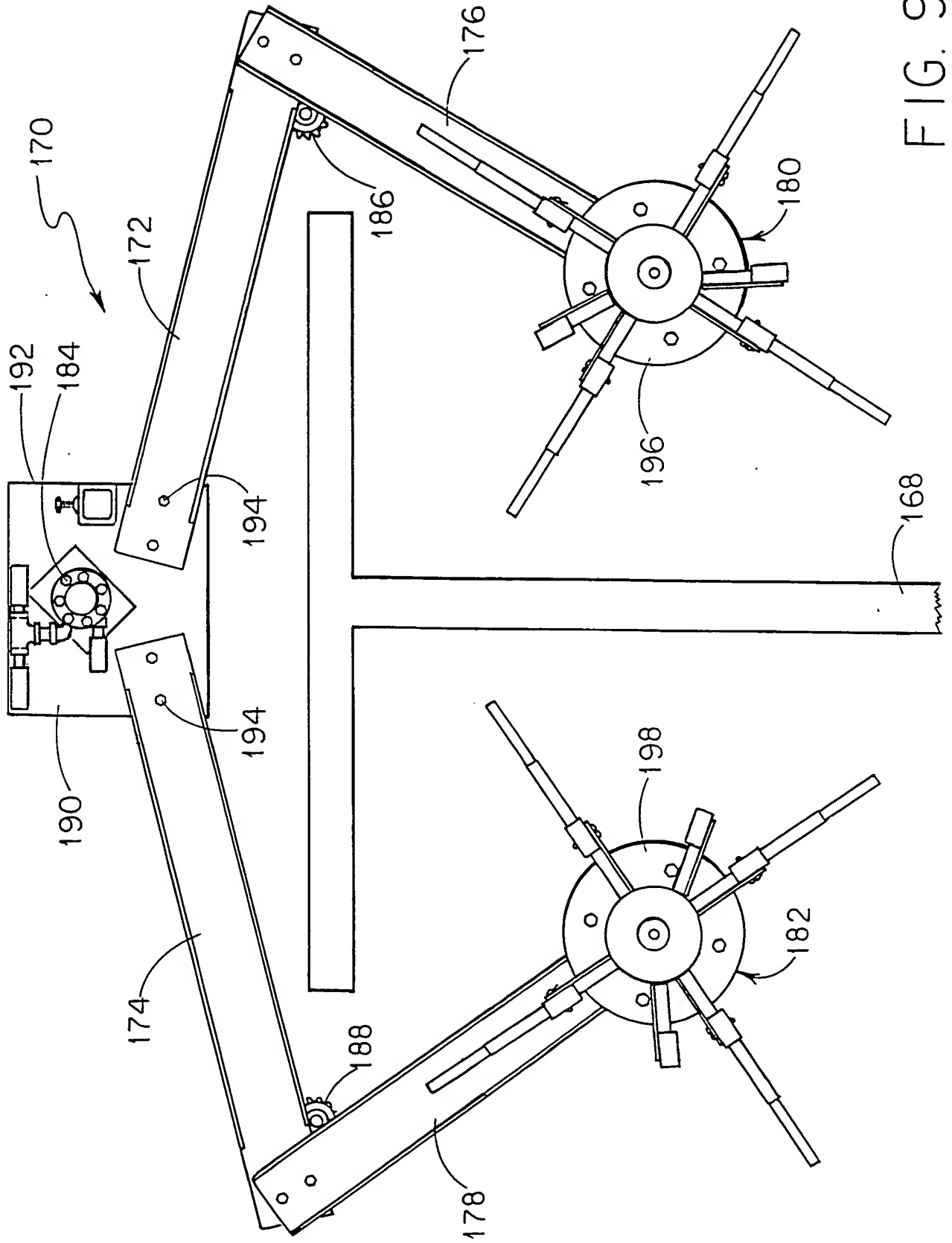


FIG. 9

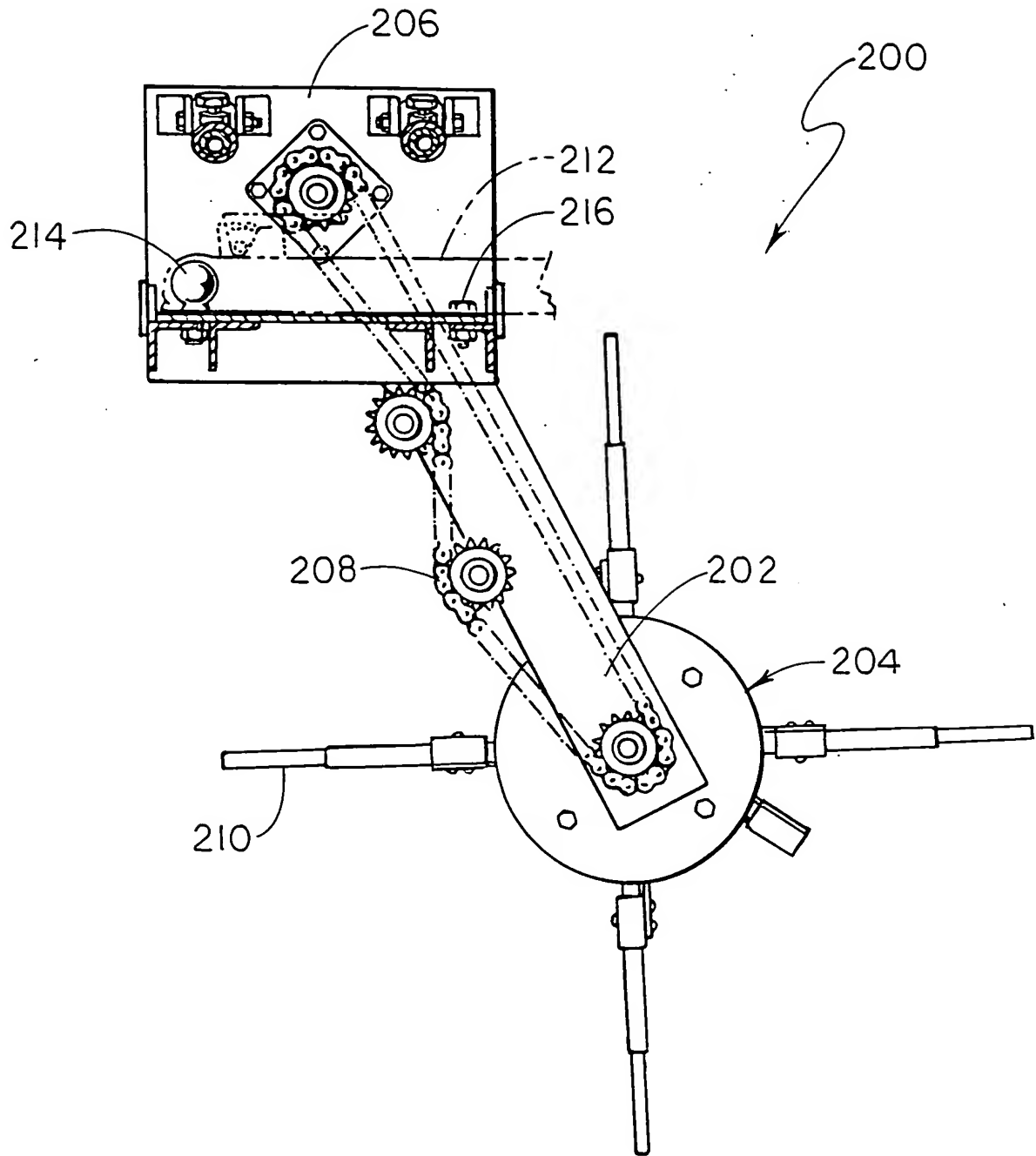


FIG. 10

FIG. 11

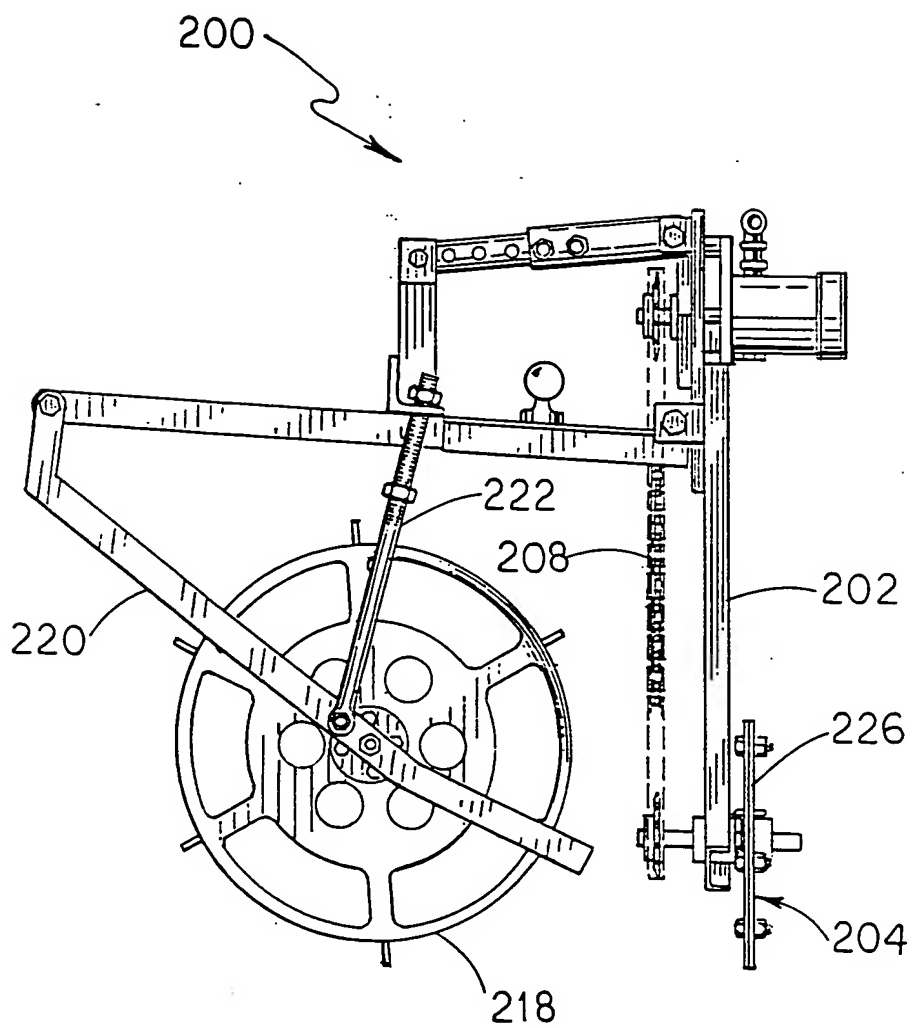


FIG. 11

10014914 "102201

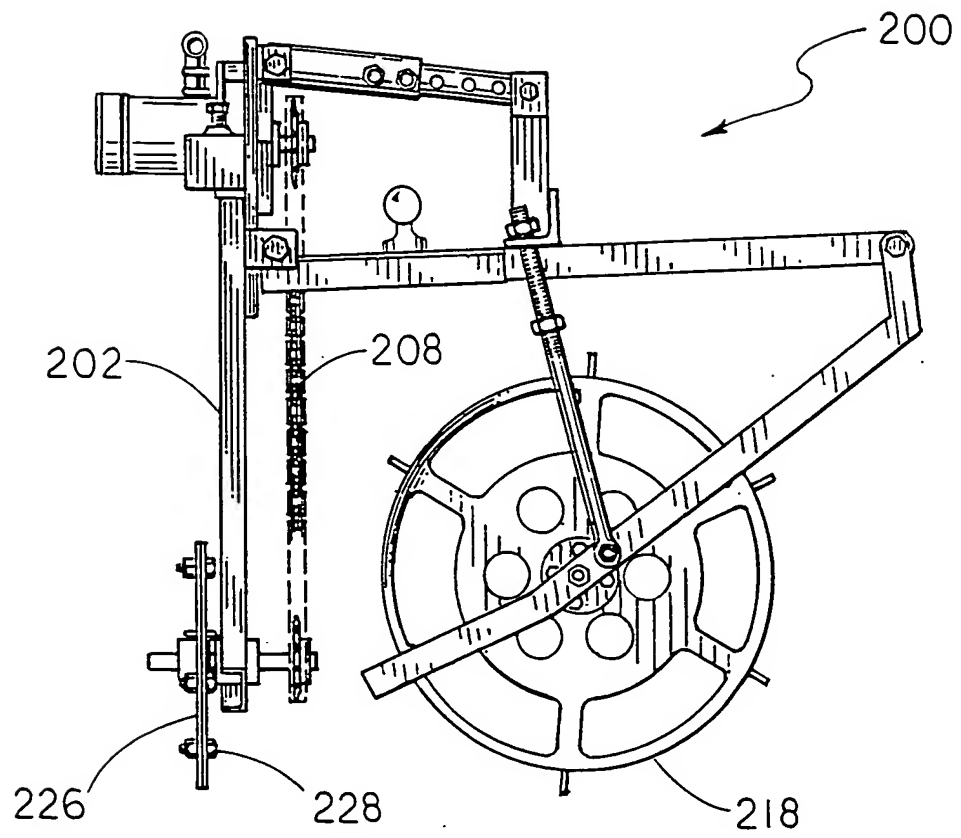


FIG. 12

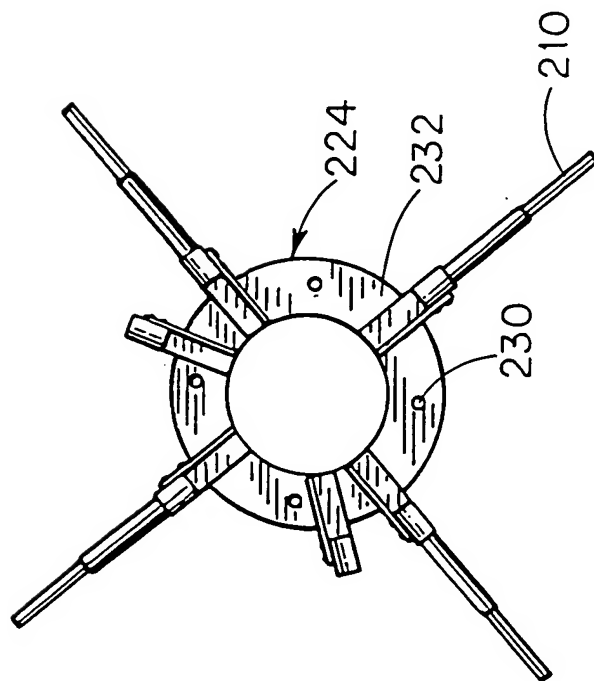


FIG. 13

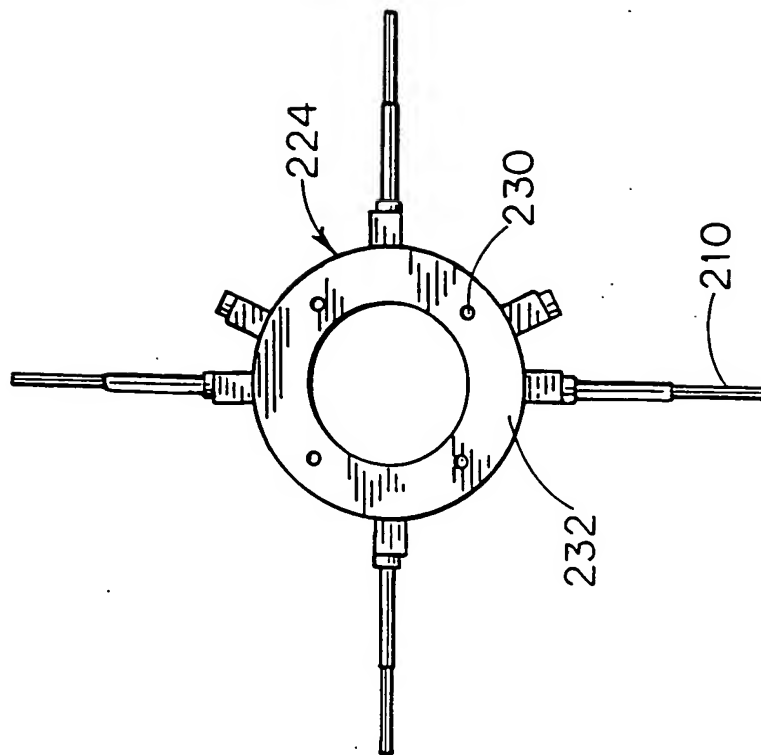


FIG. 14

FOOT "H" FOOT

FIG. 15

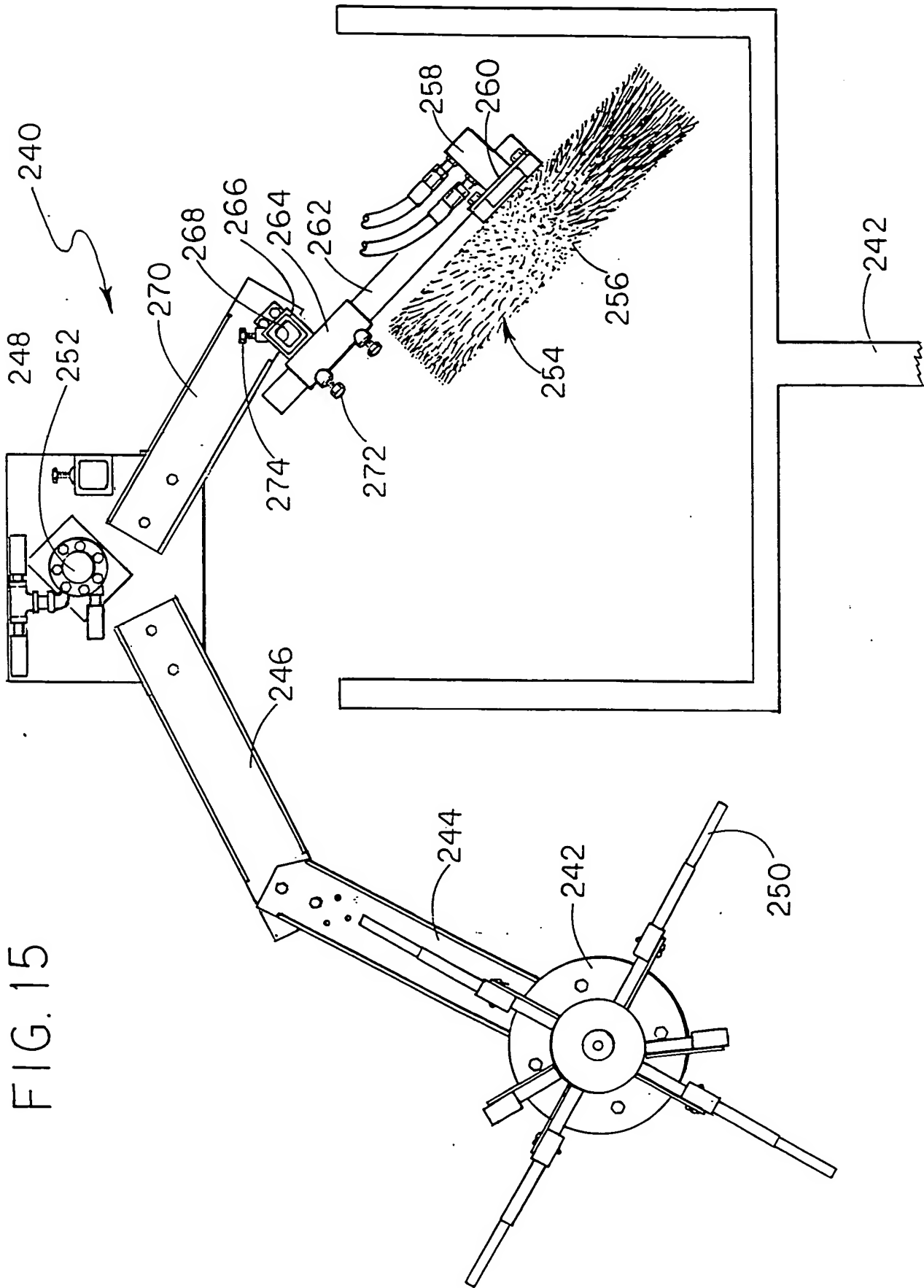
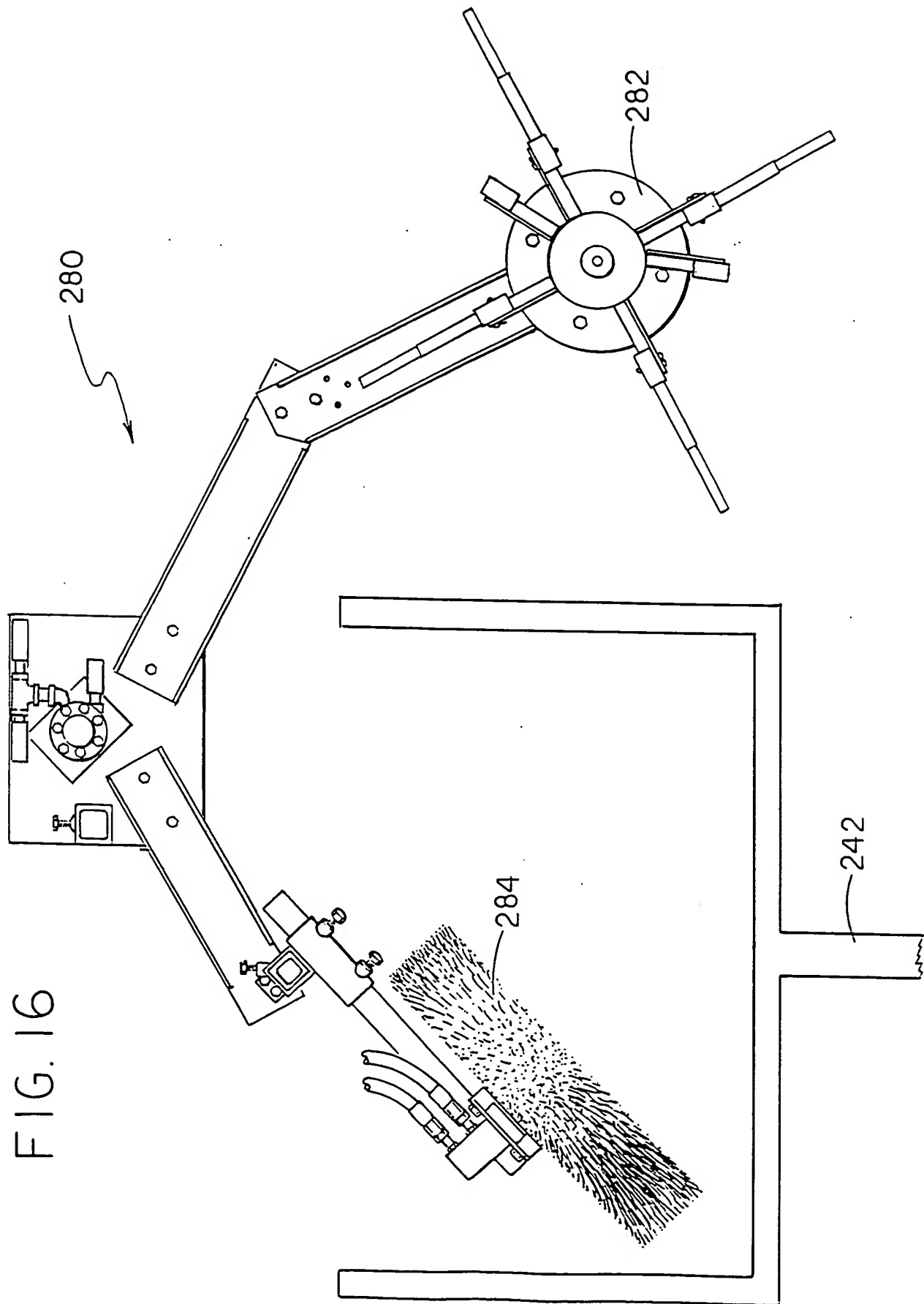


FIG. 16

FOOT-HOOT



FOOT" HT64T00T

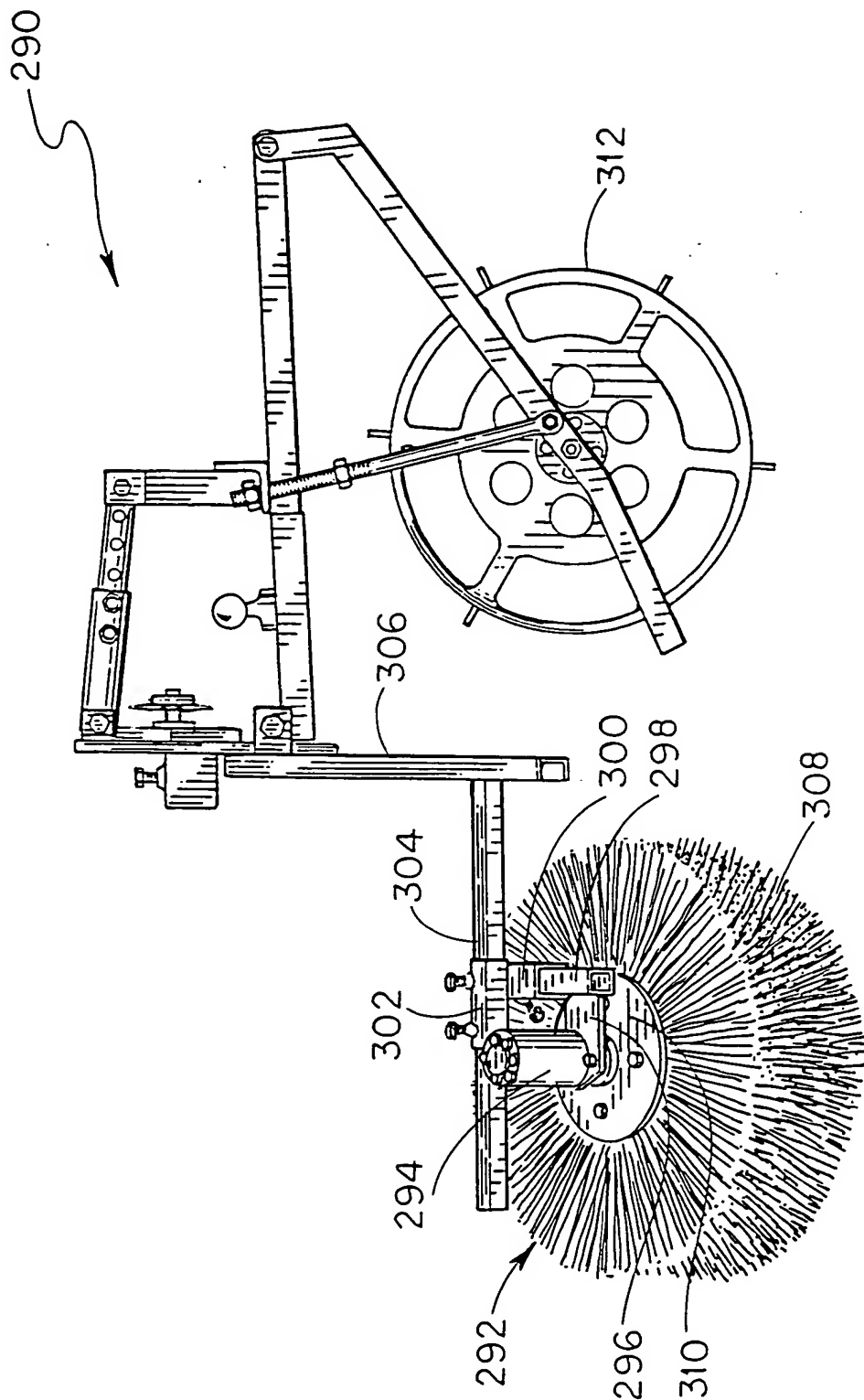


FIG. 17

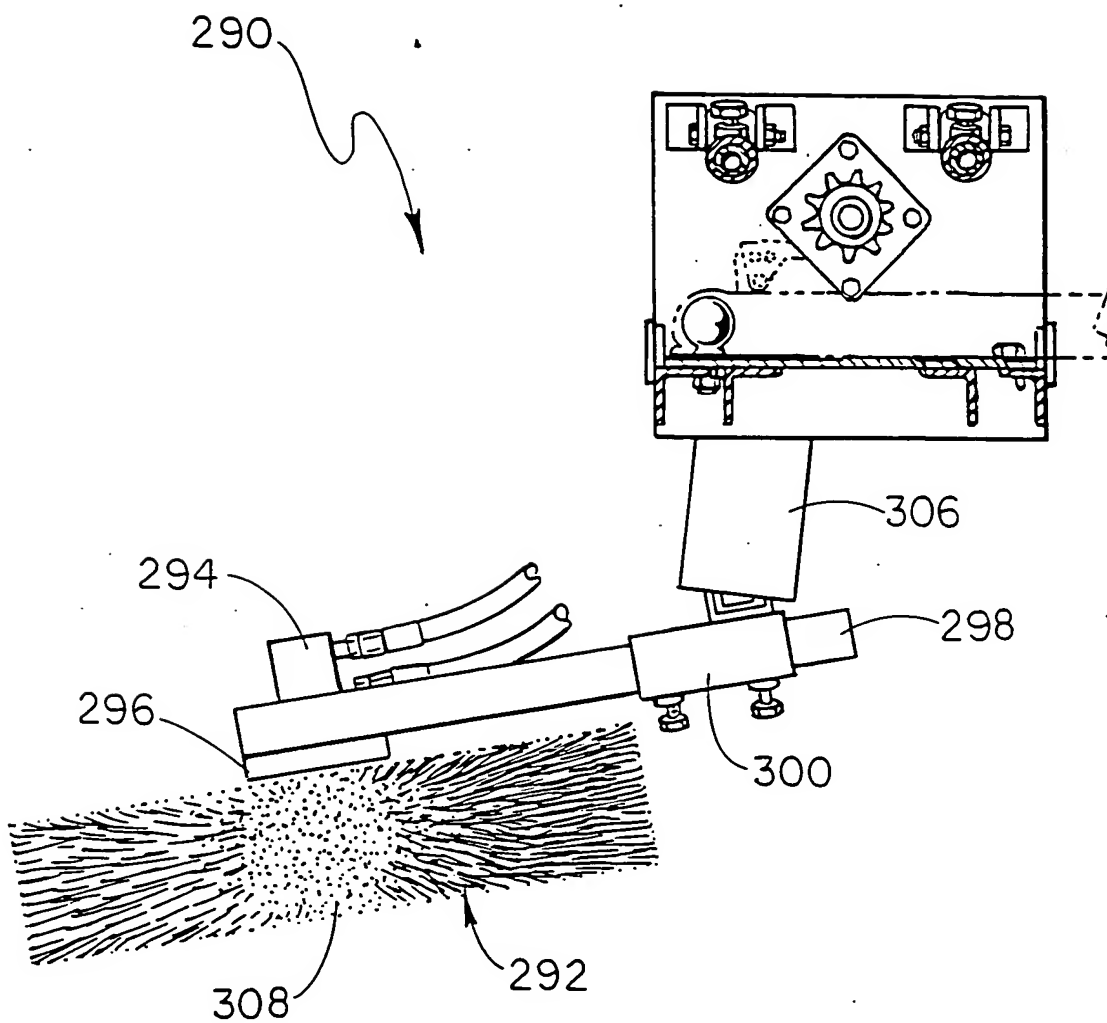


FIG. 18

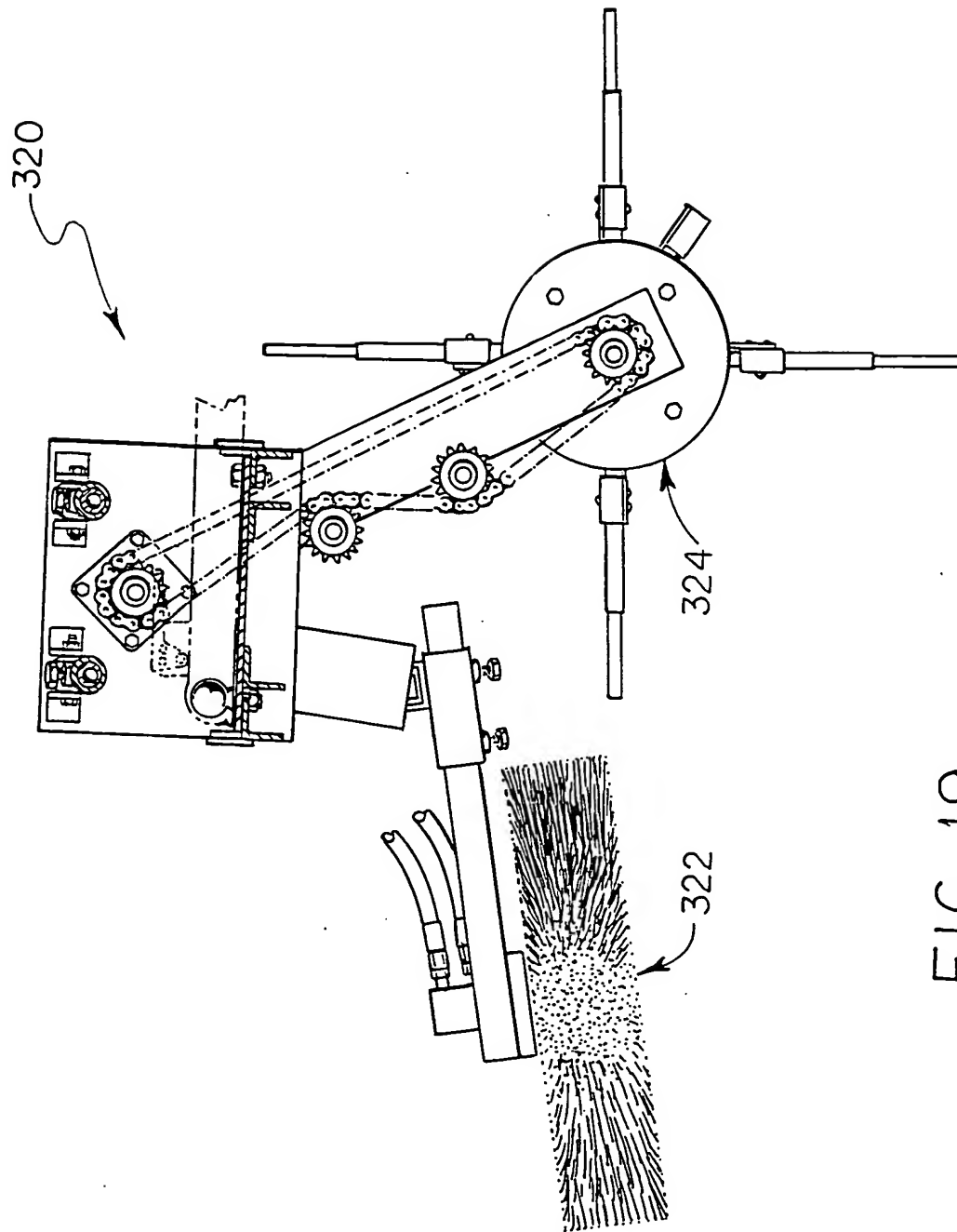


FIG. 19

FIG. 20

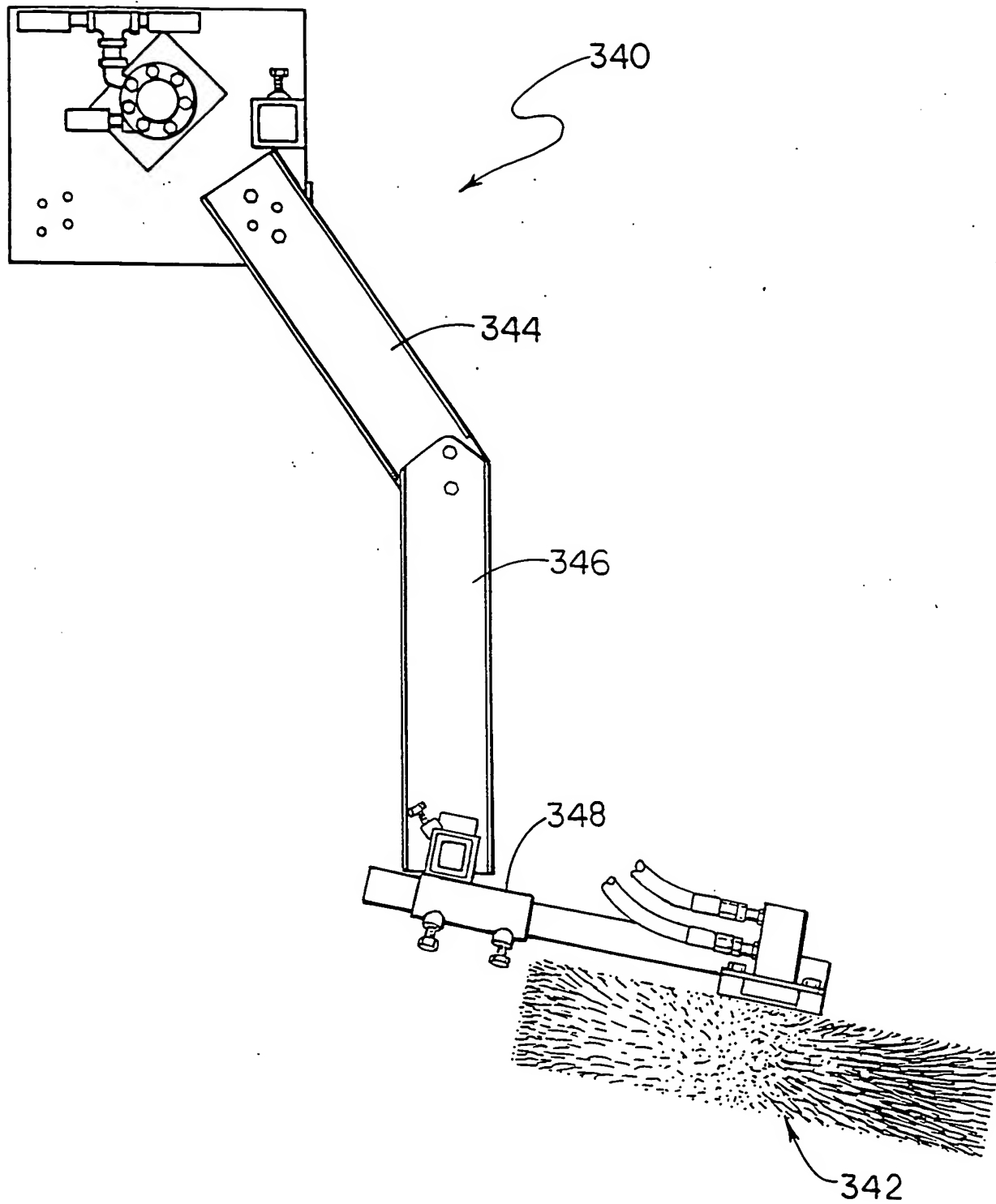


FIG. 20

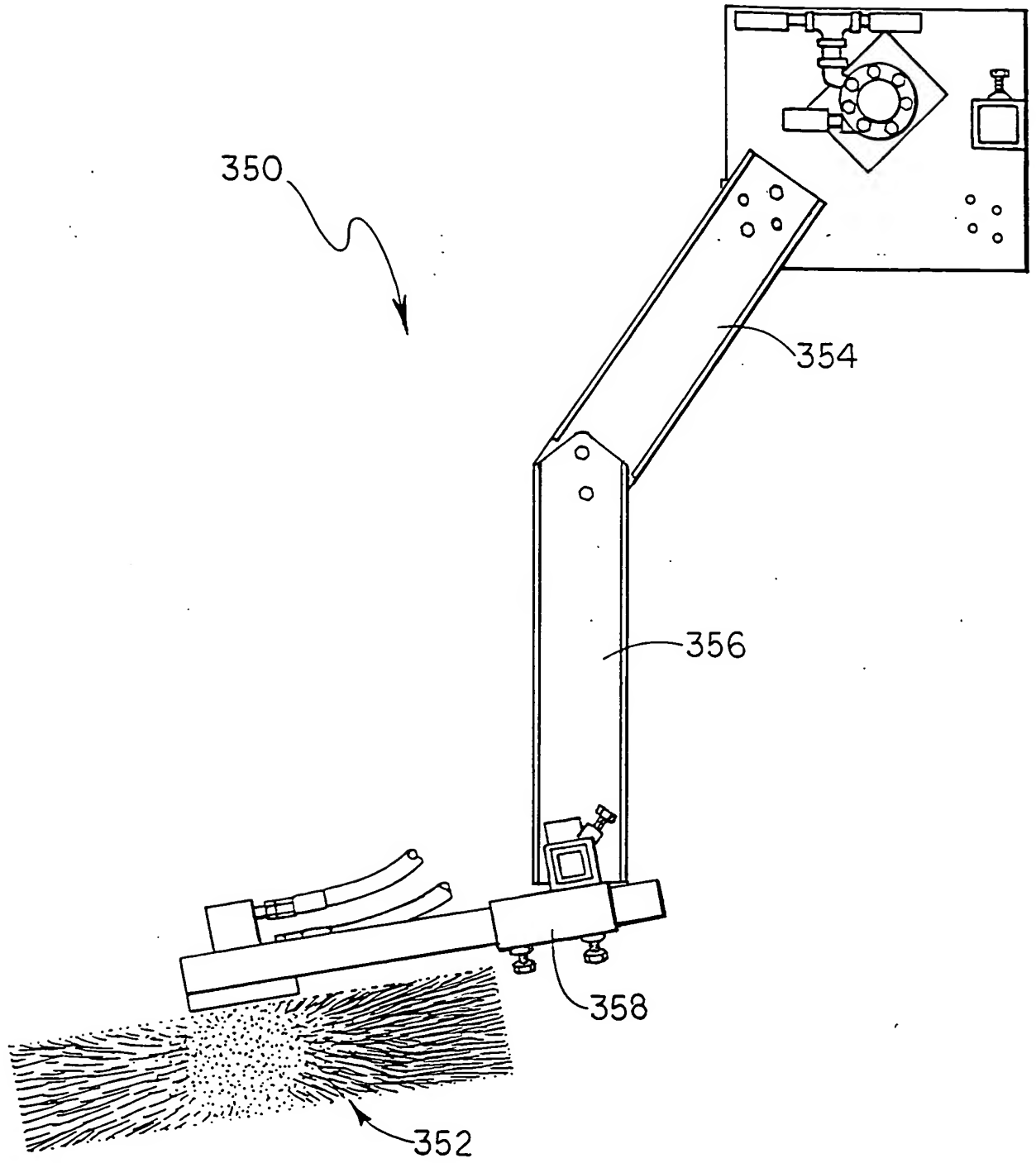


FIG. 21

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10014914 102201 47547001

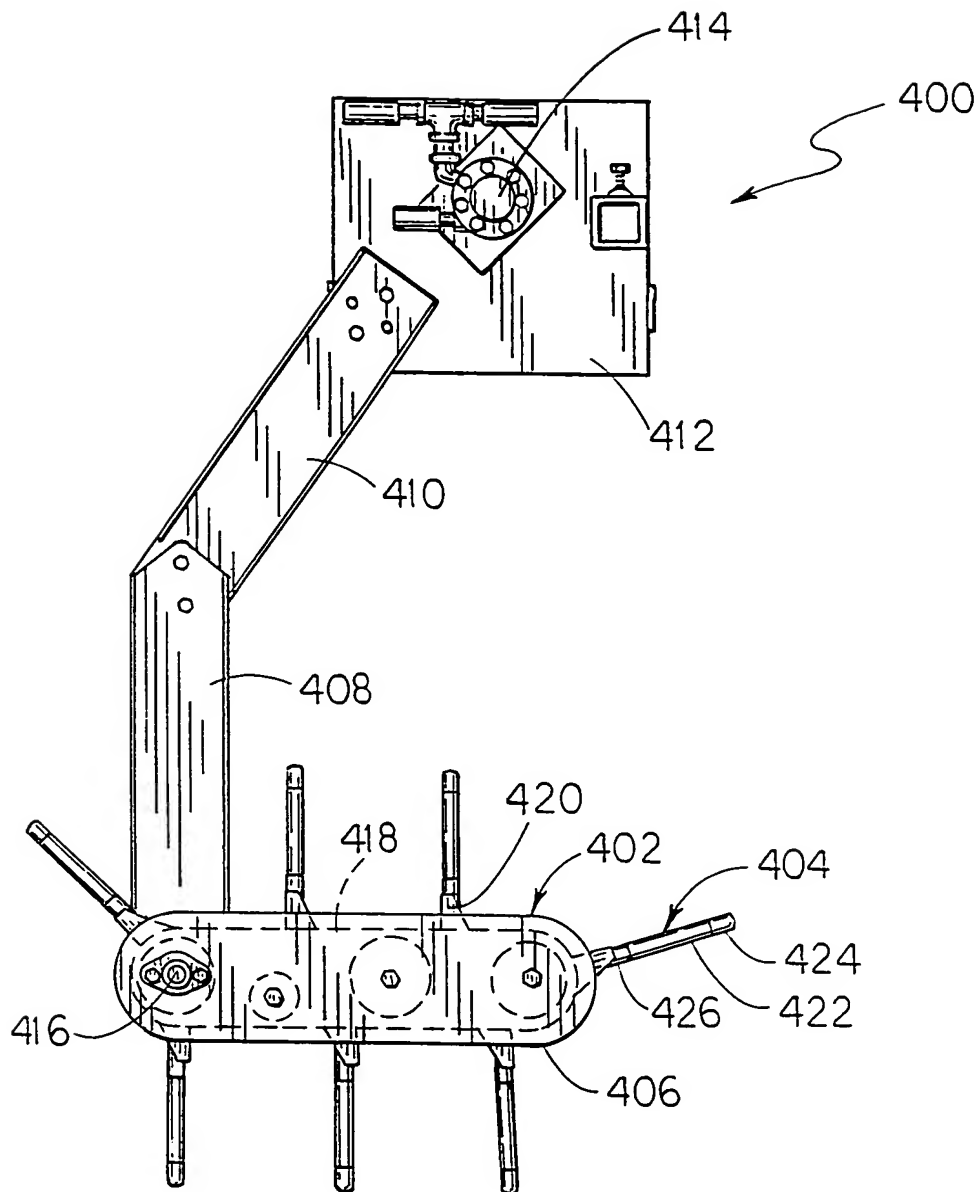


FIG. 23

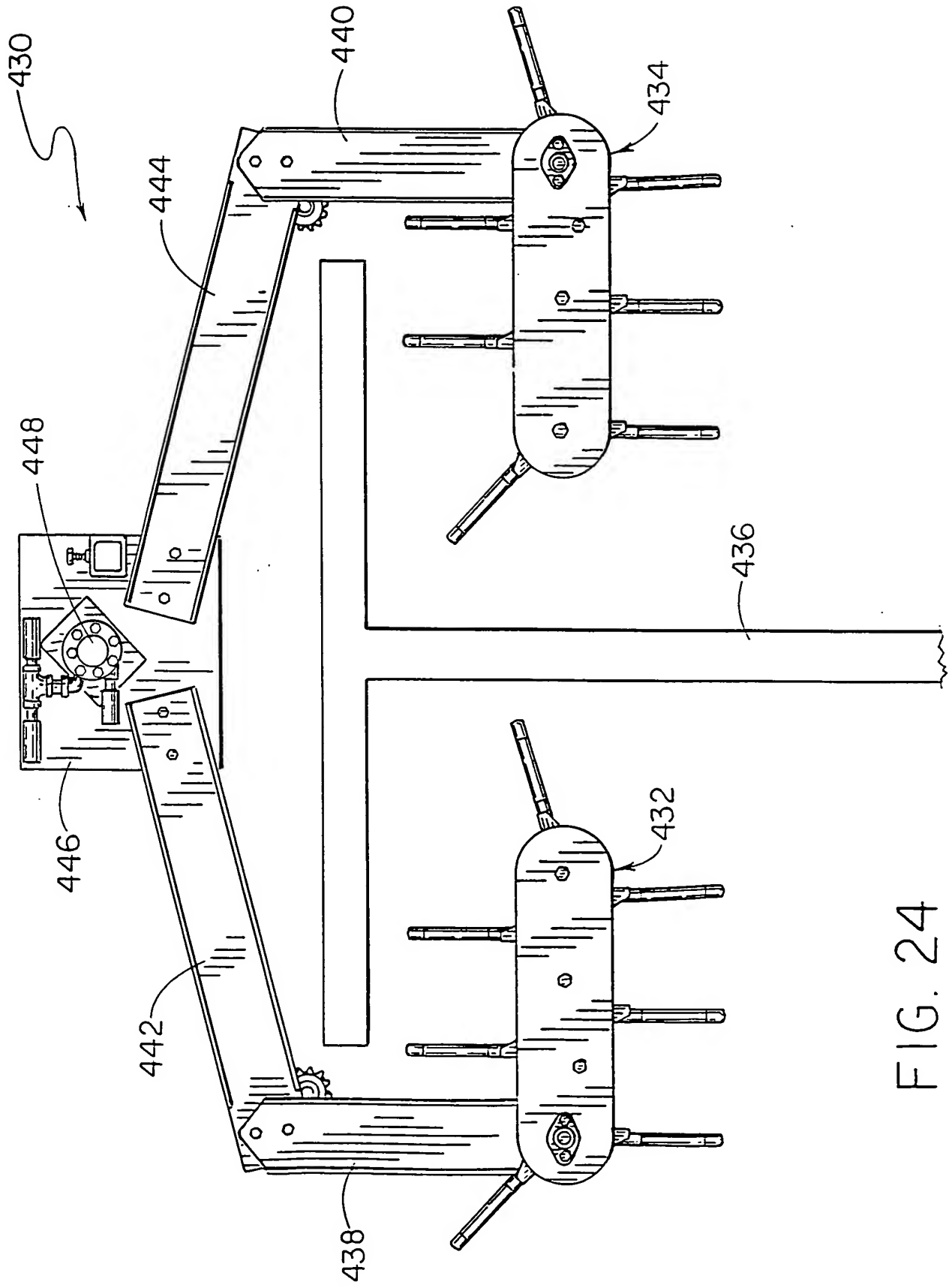


FIG. 24

10014914-10201

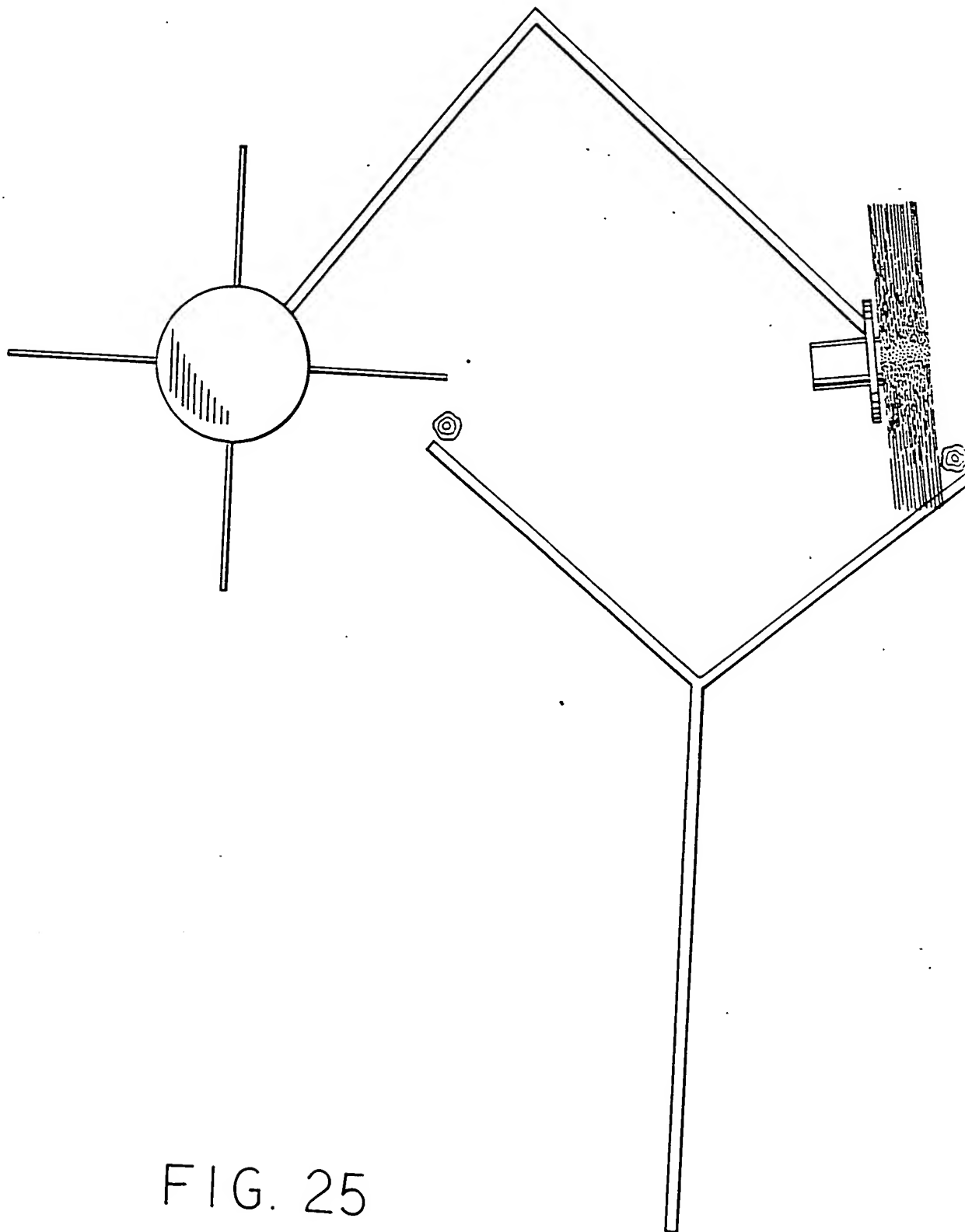


FIG. 25

10014914-102201

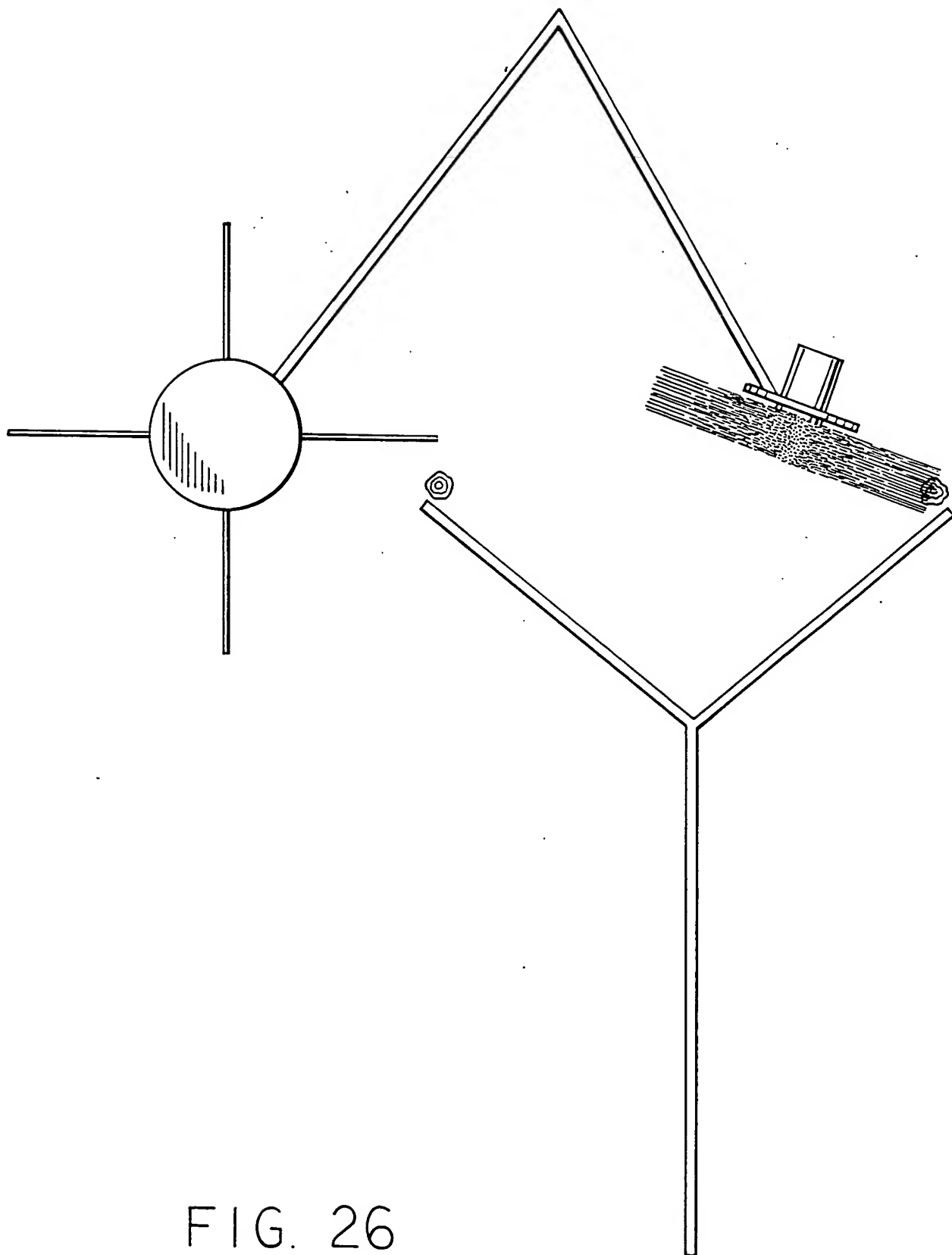


FIG. 26

10014914, 102201

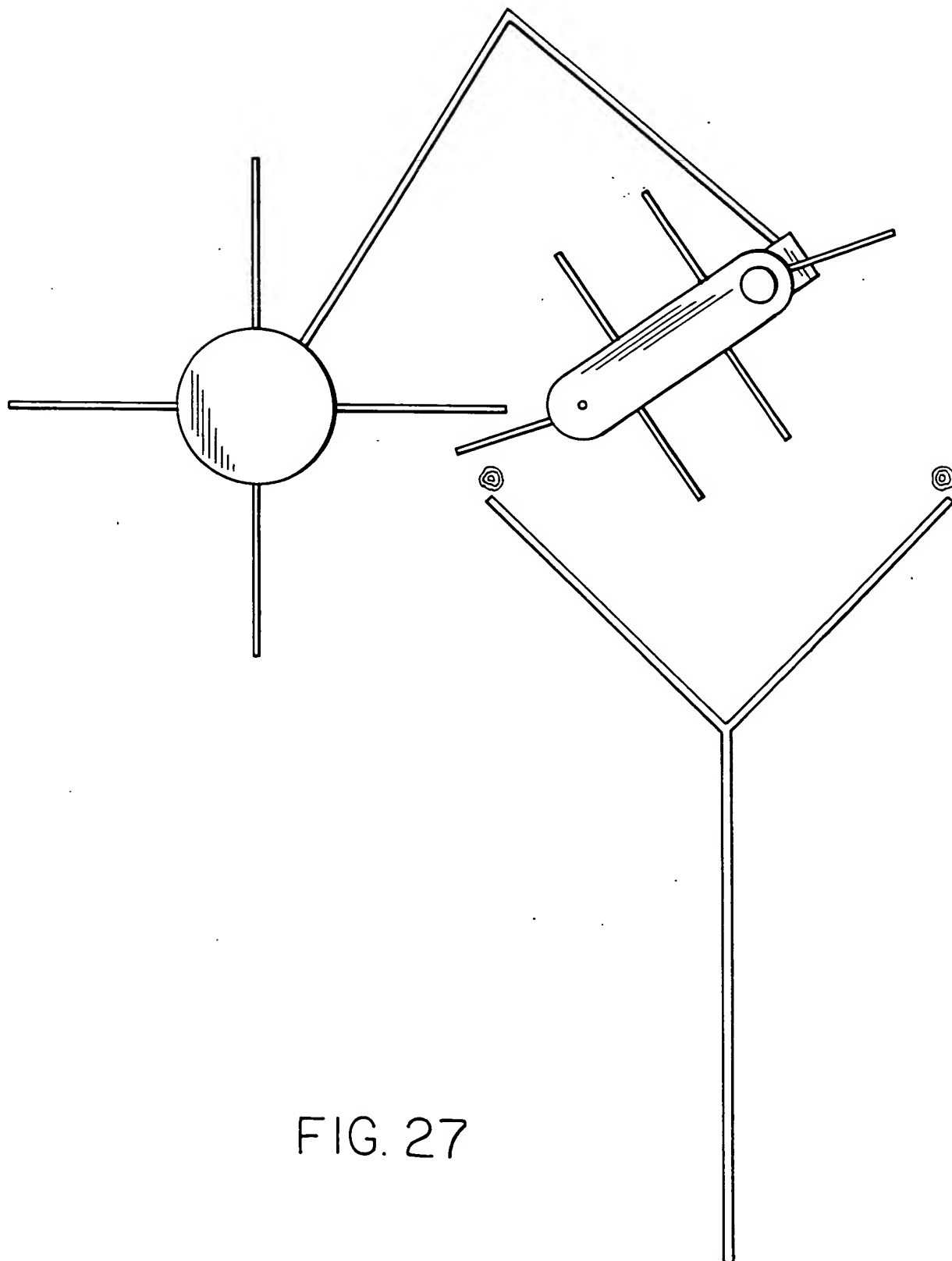


FIG. 27

10014914-102201

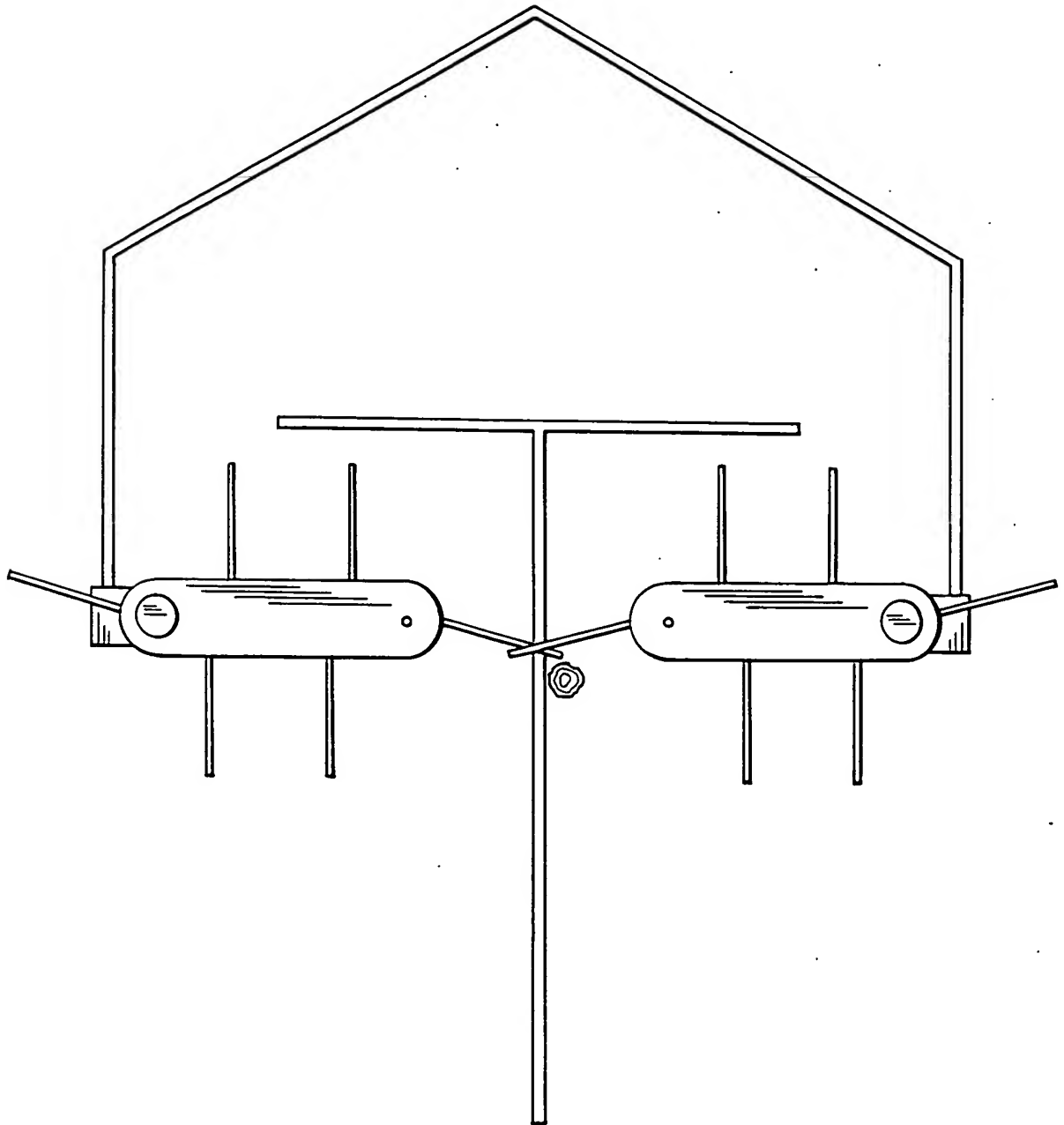


FIG. 28

10014914-102201

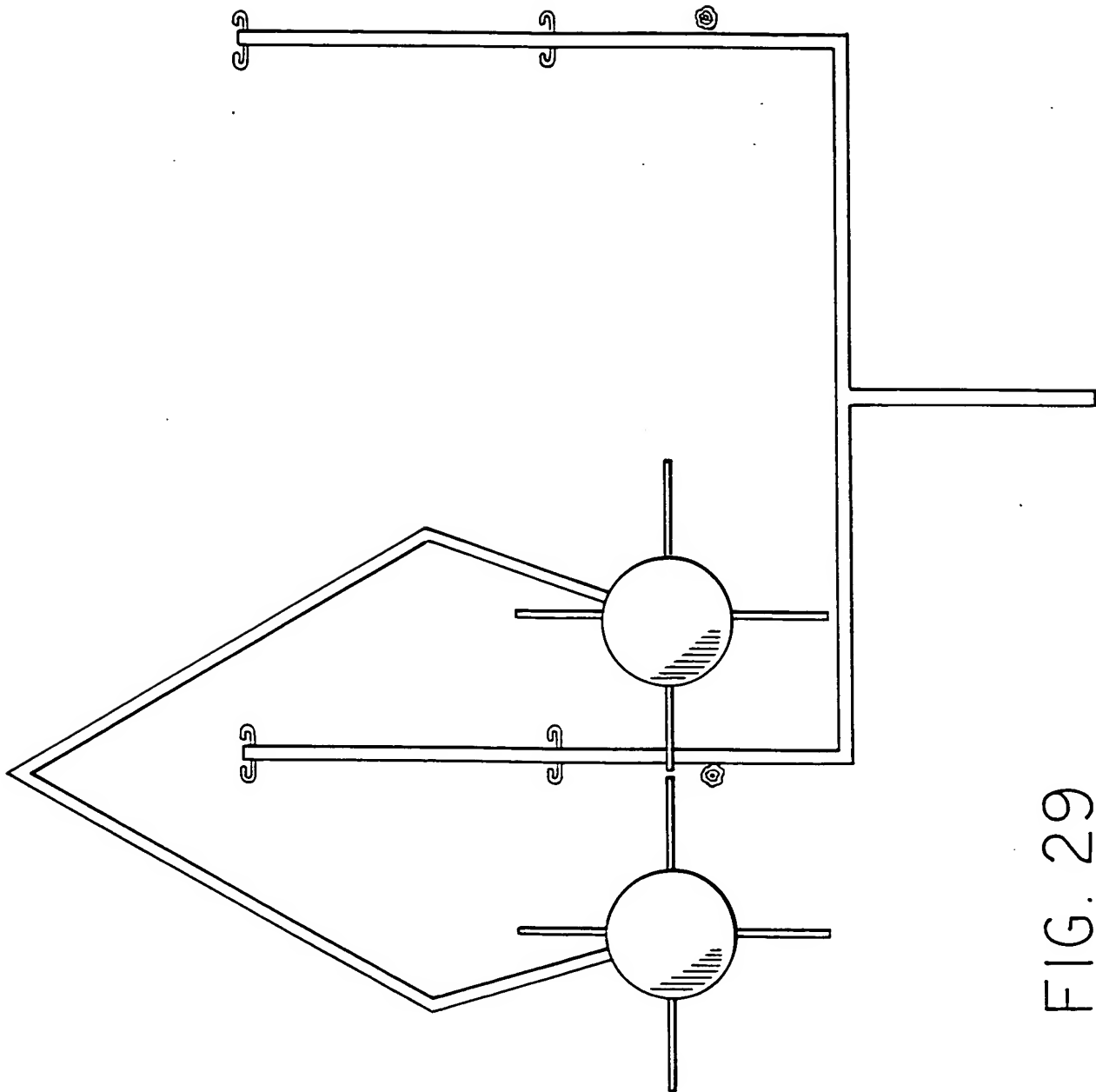


FIG. 29

FIG. 30

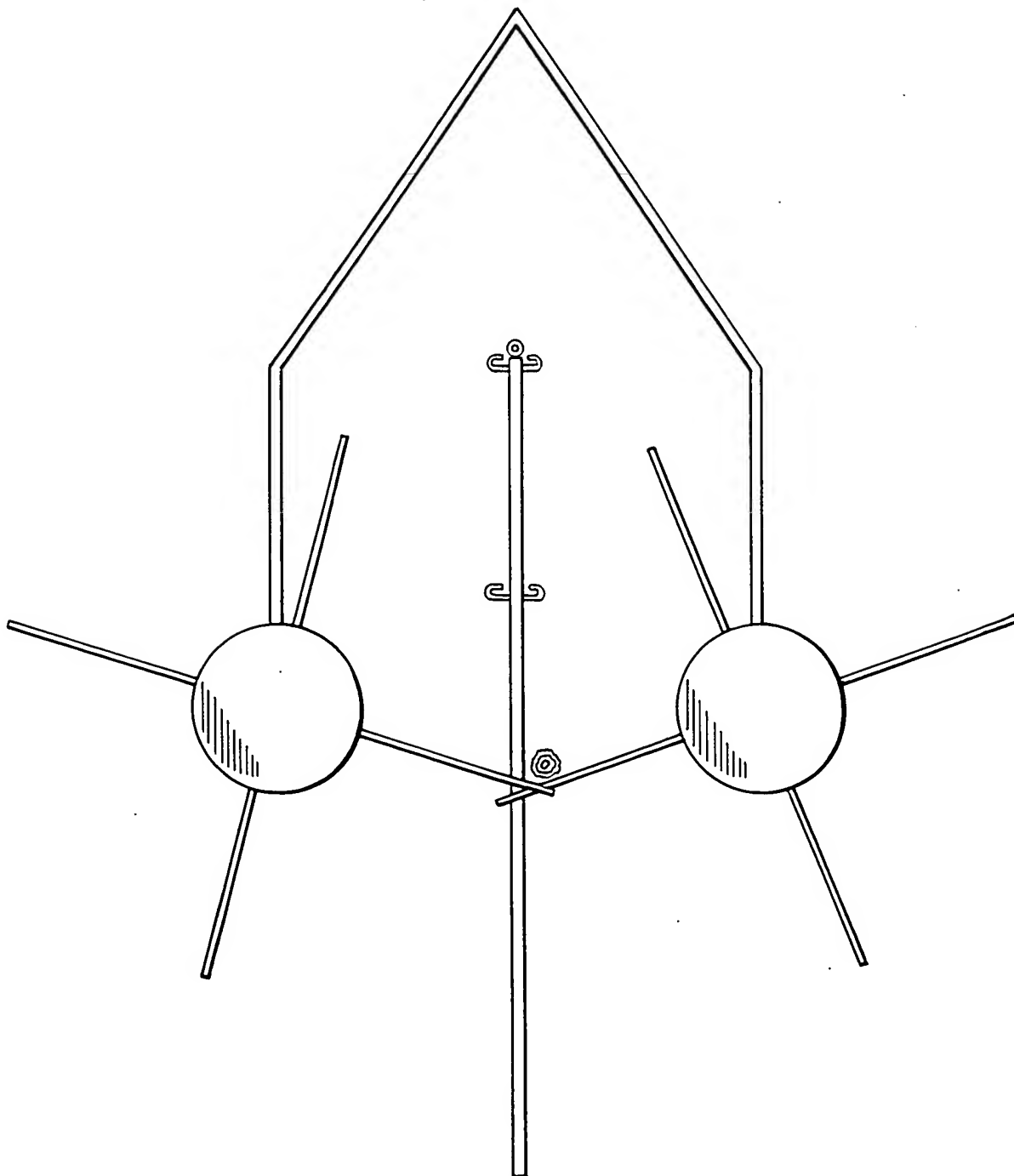


FIG. 30

10014914 "402201

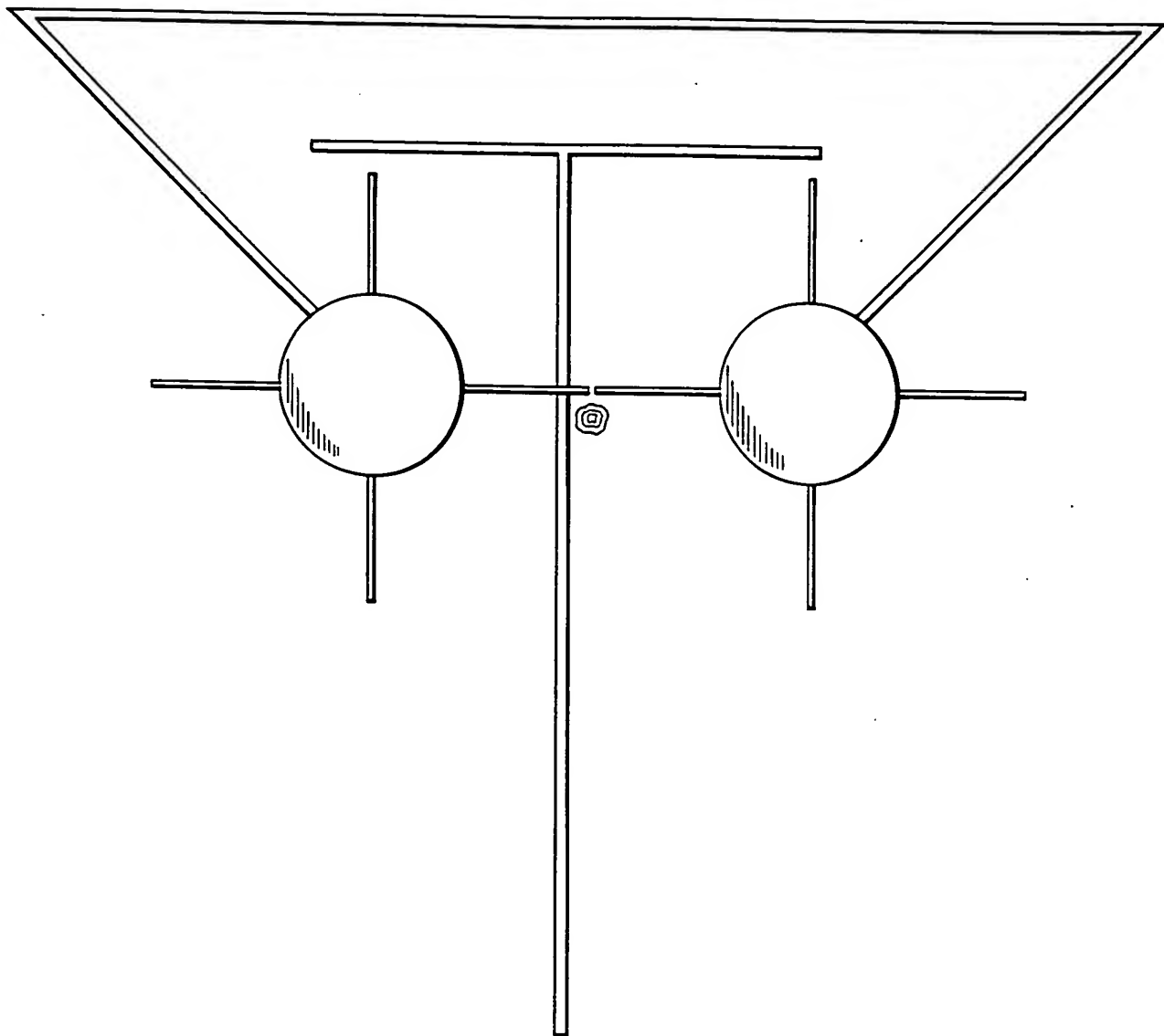


FIG. 31

10014914-10201

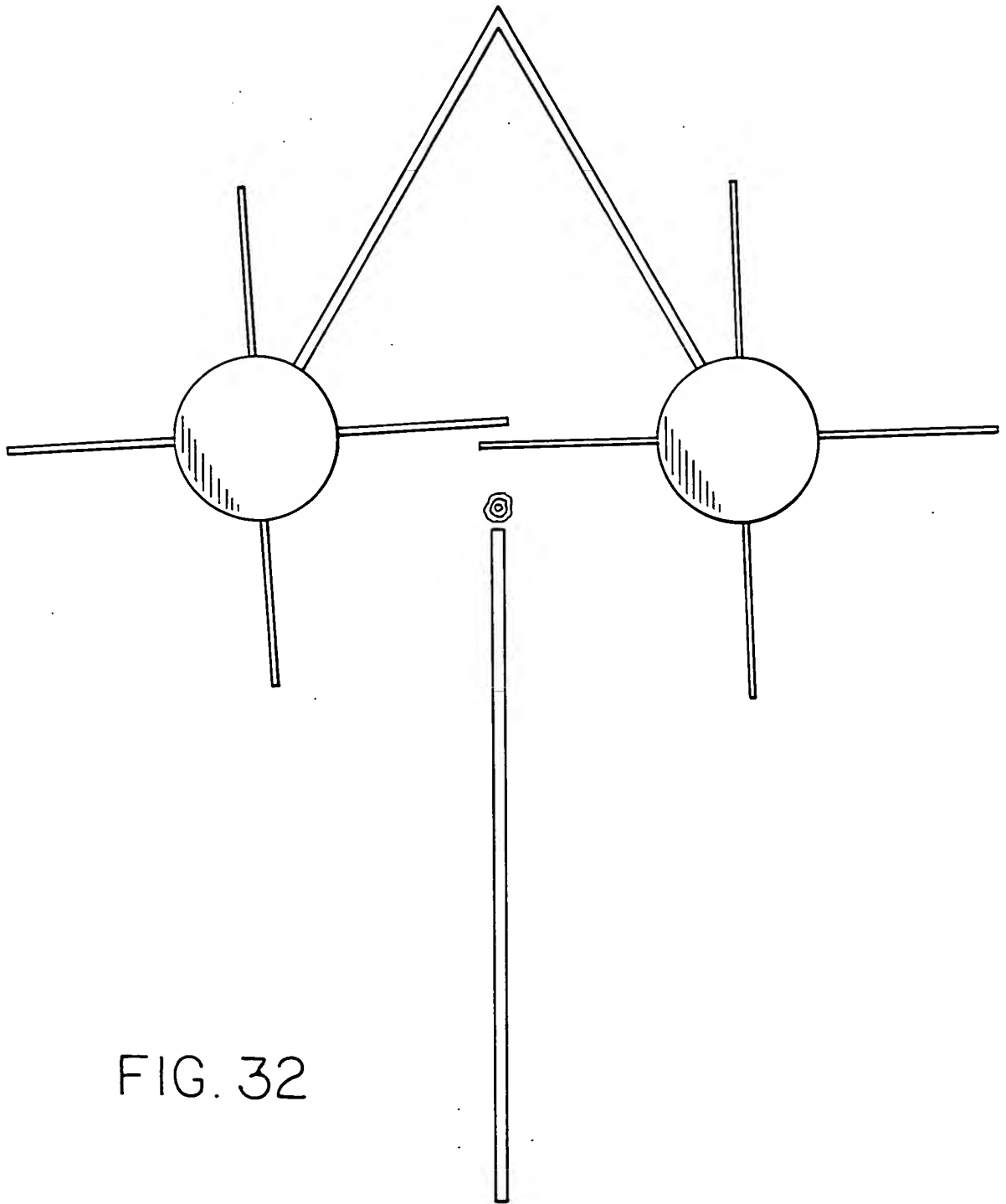


FIG. 32

FIG. 33

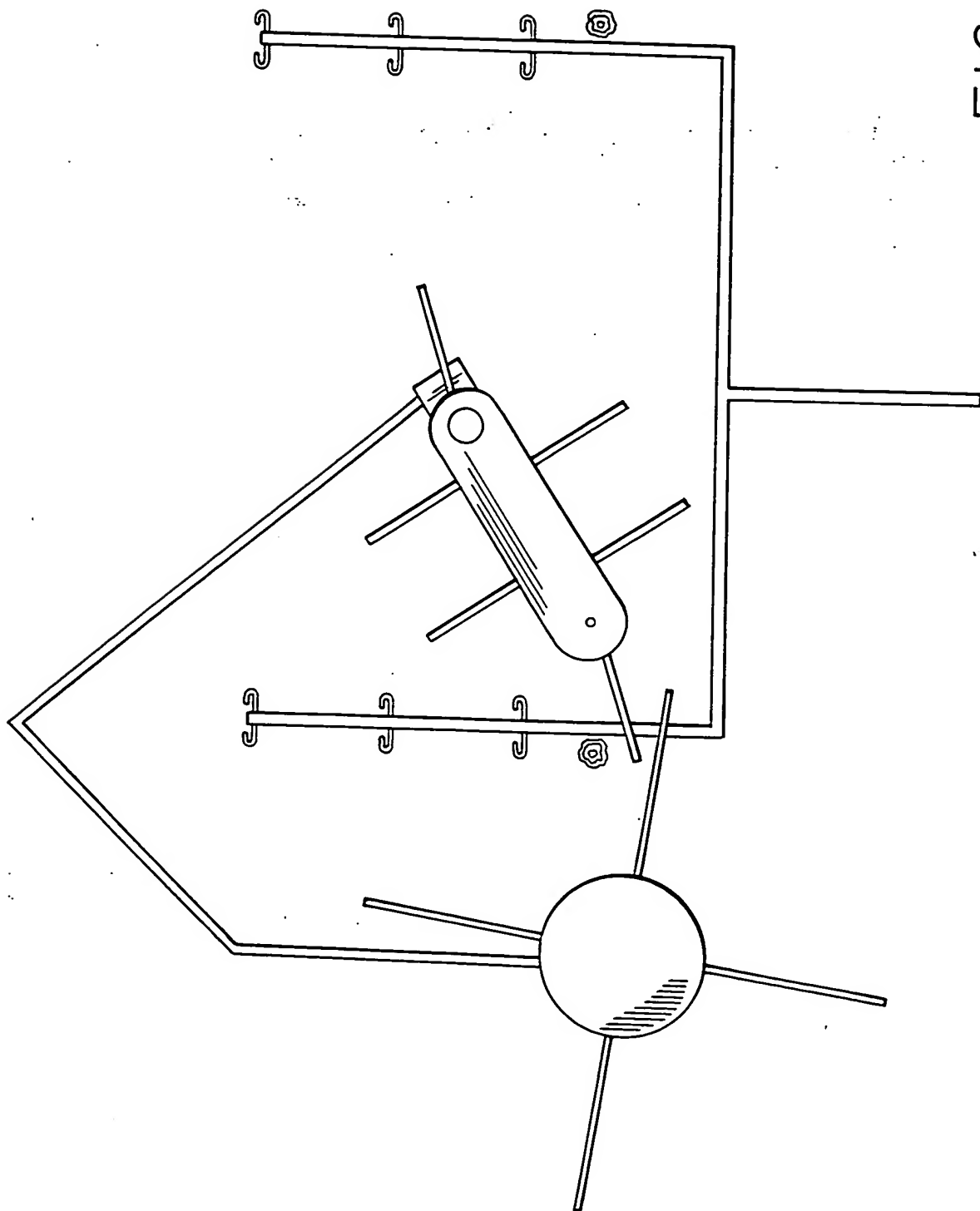


FIG. 33

+



10014914-102201

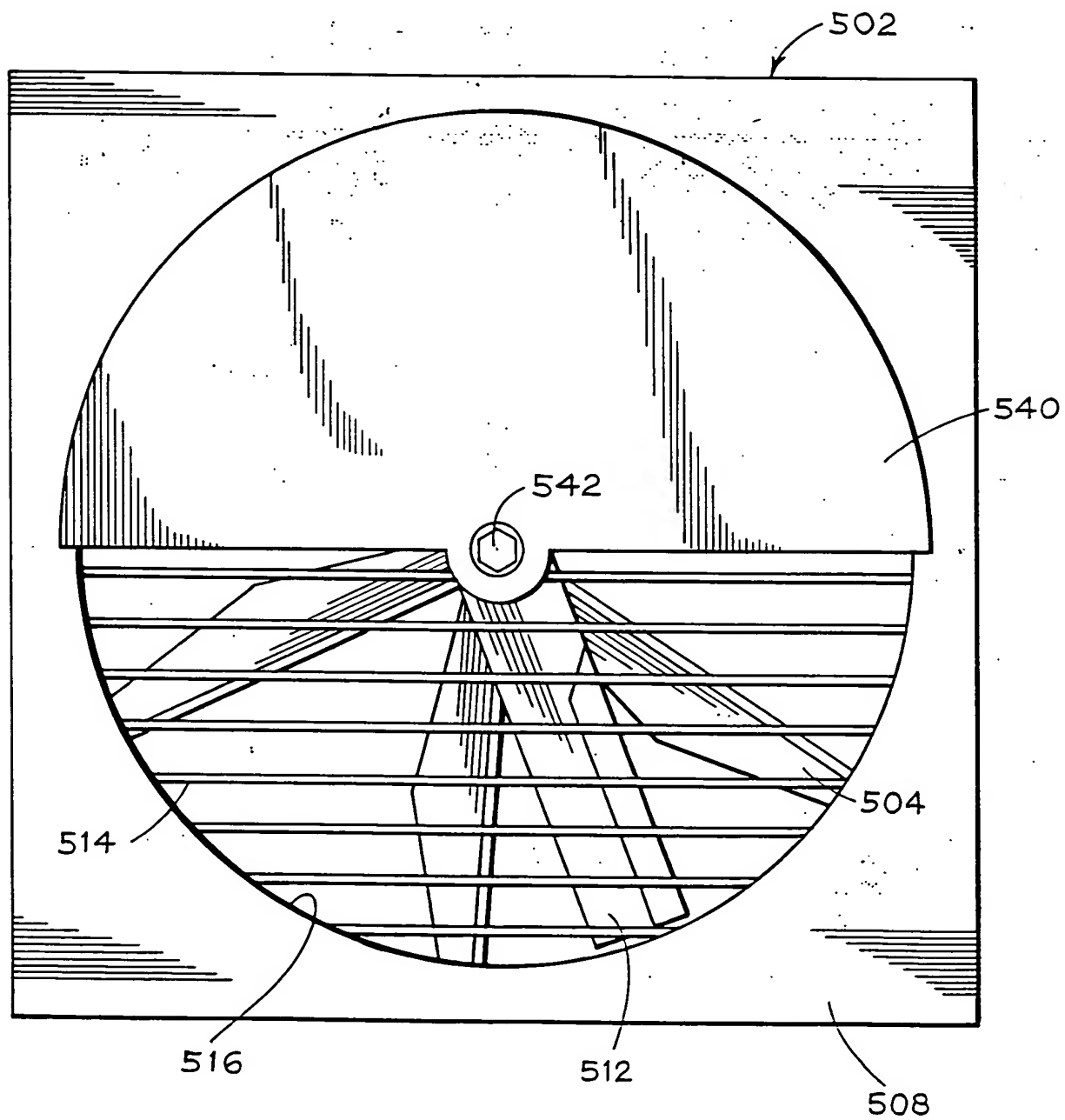


FIG. 35

FIG. 36

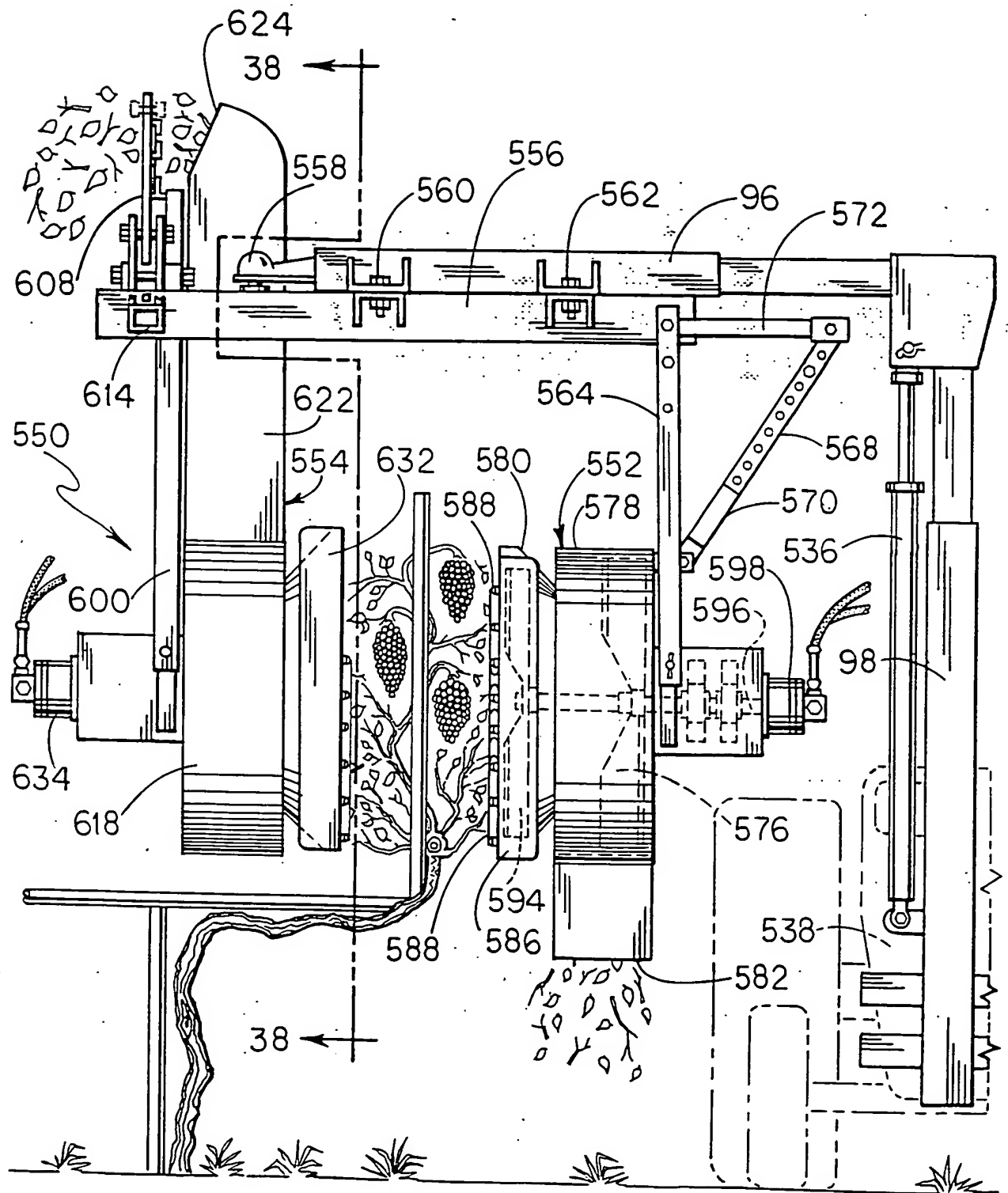
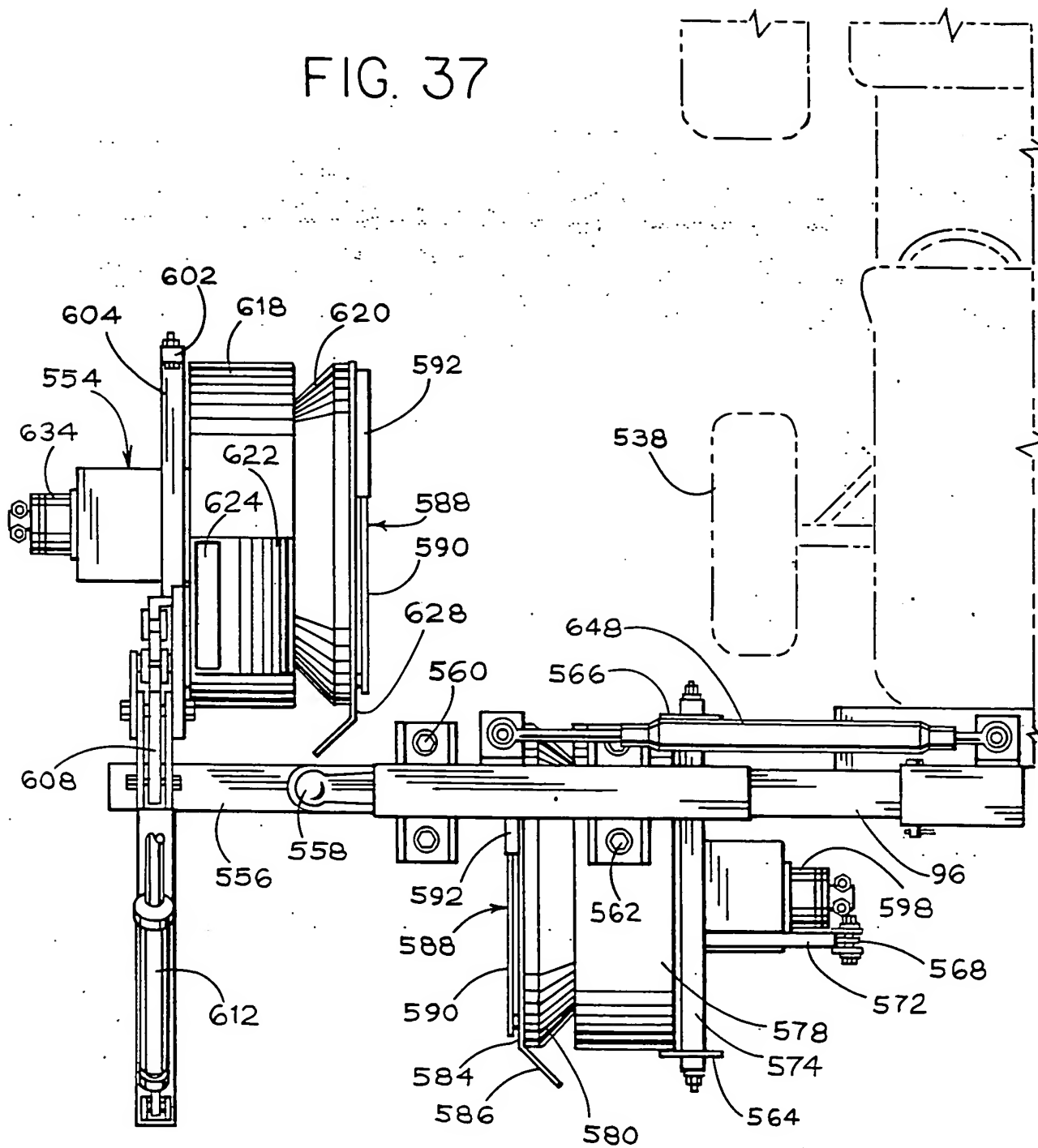


FIG. 36

FIG. 37



1

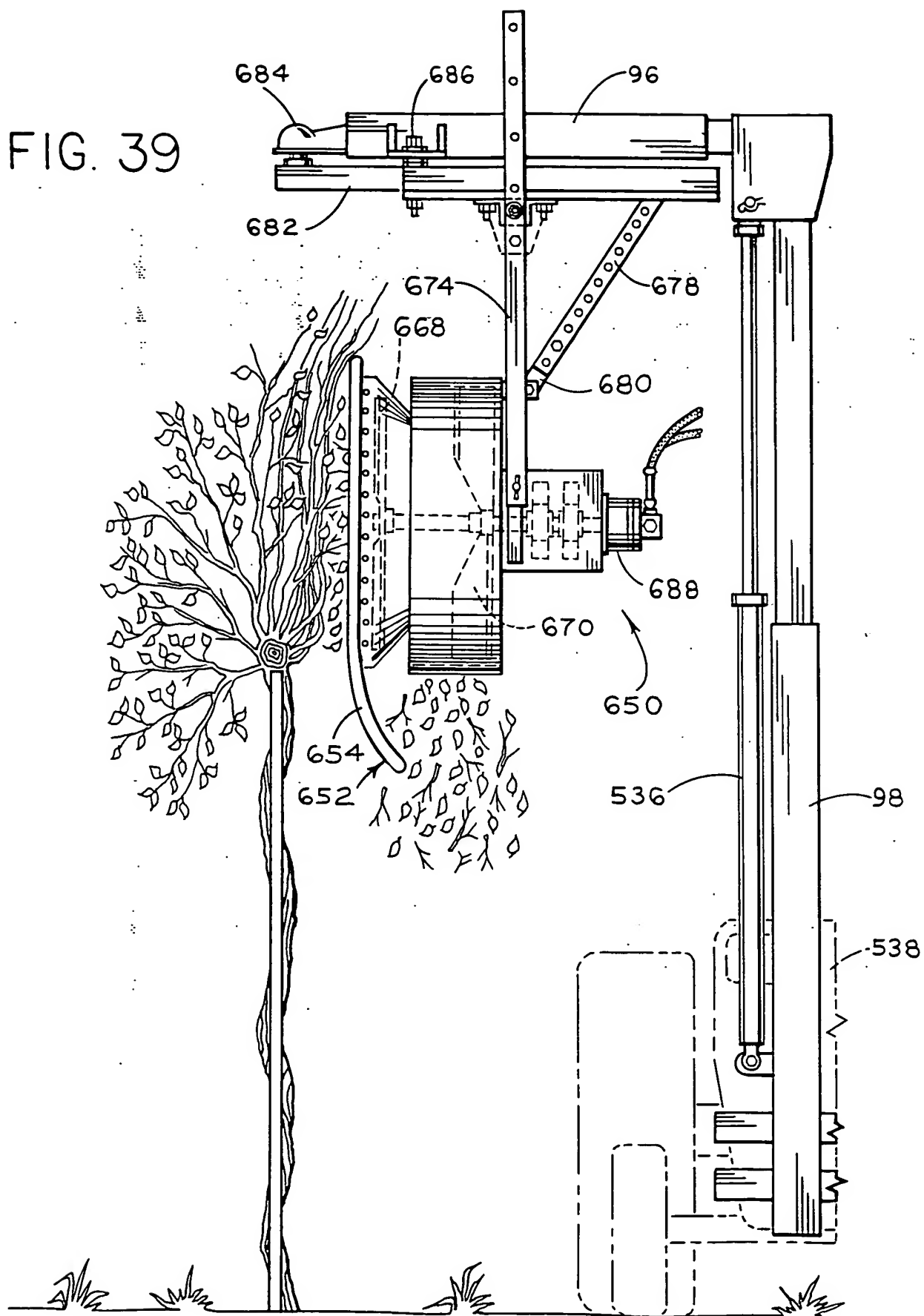
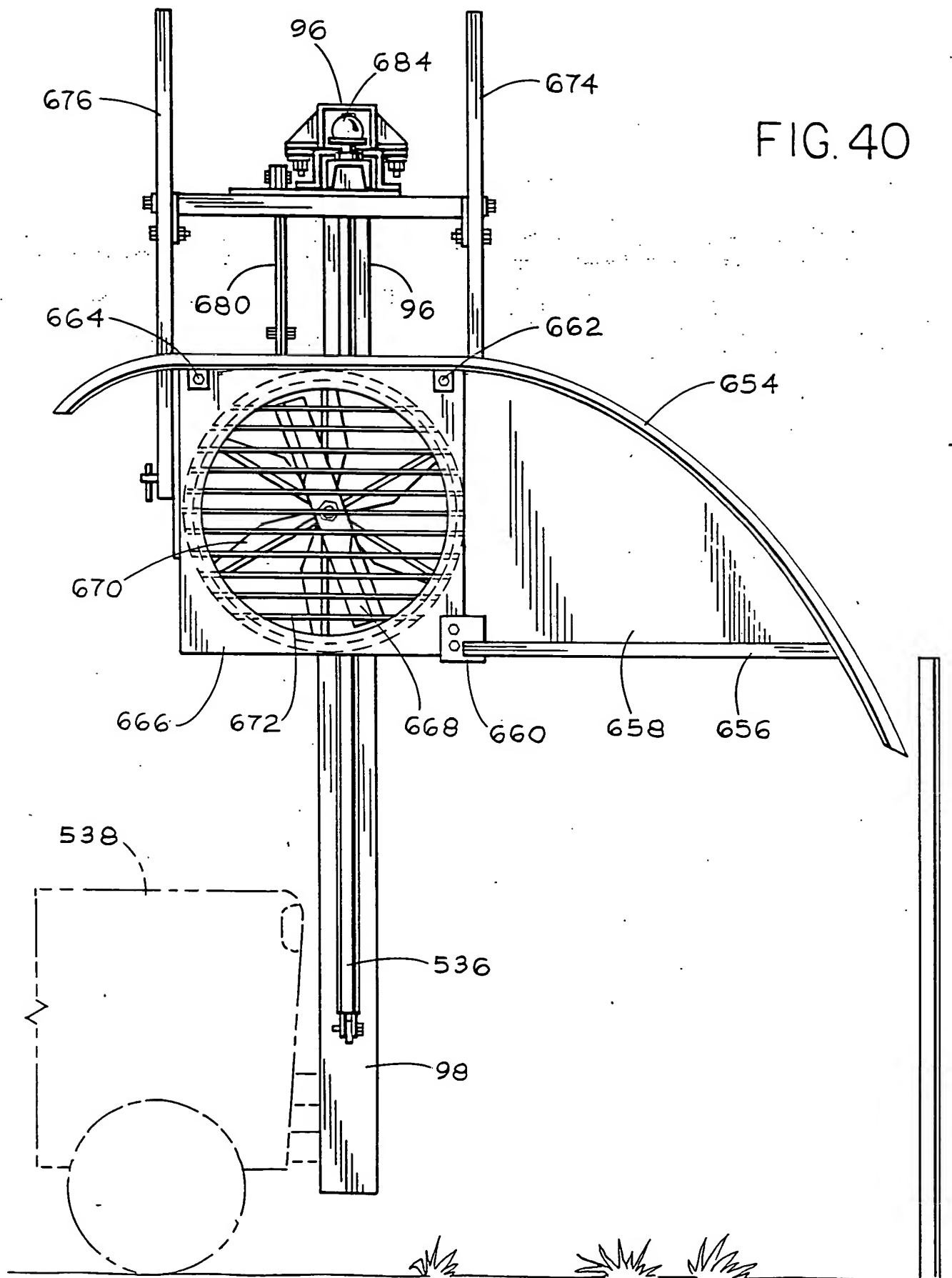


FIG. 40



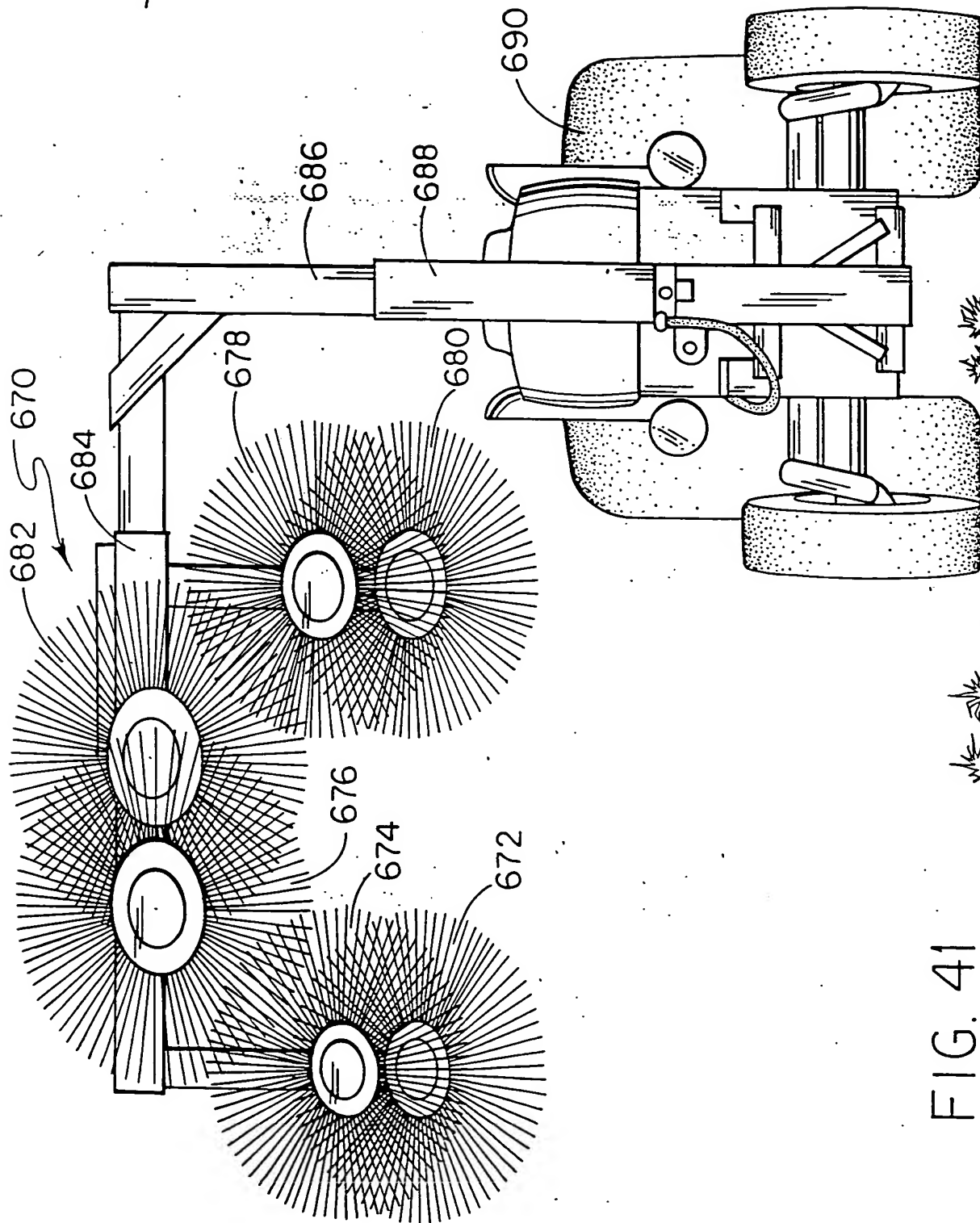
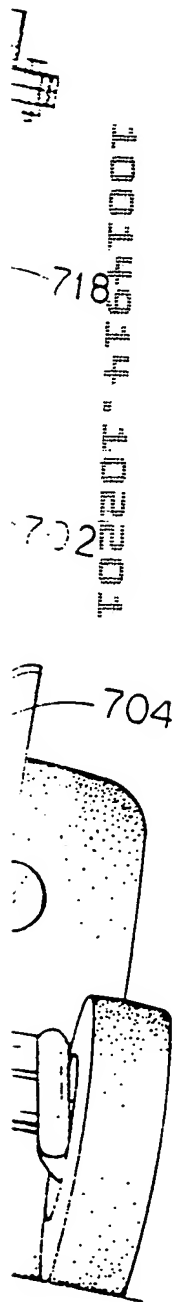


FIG. 41

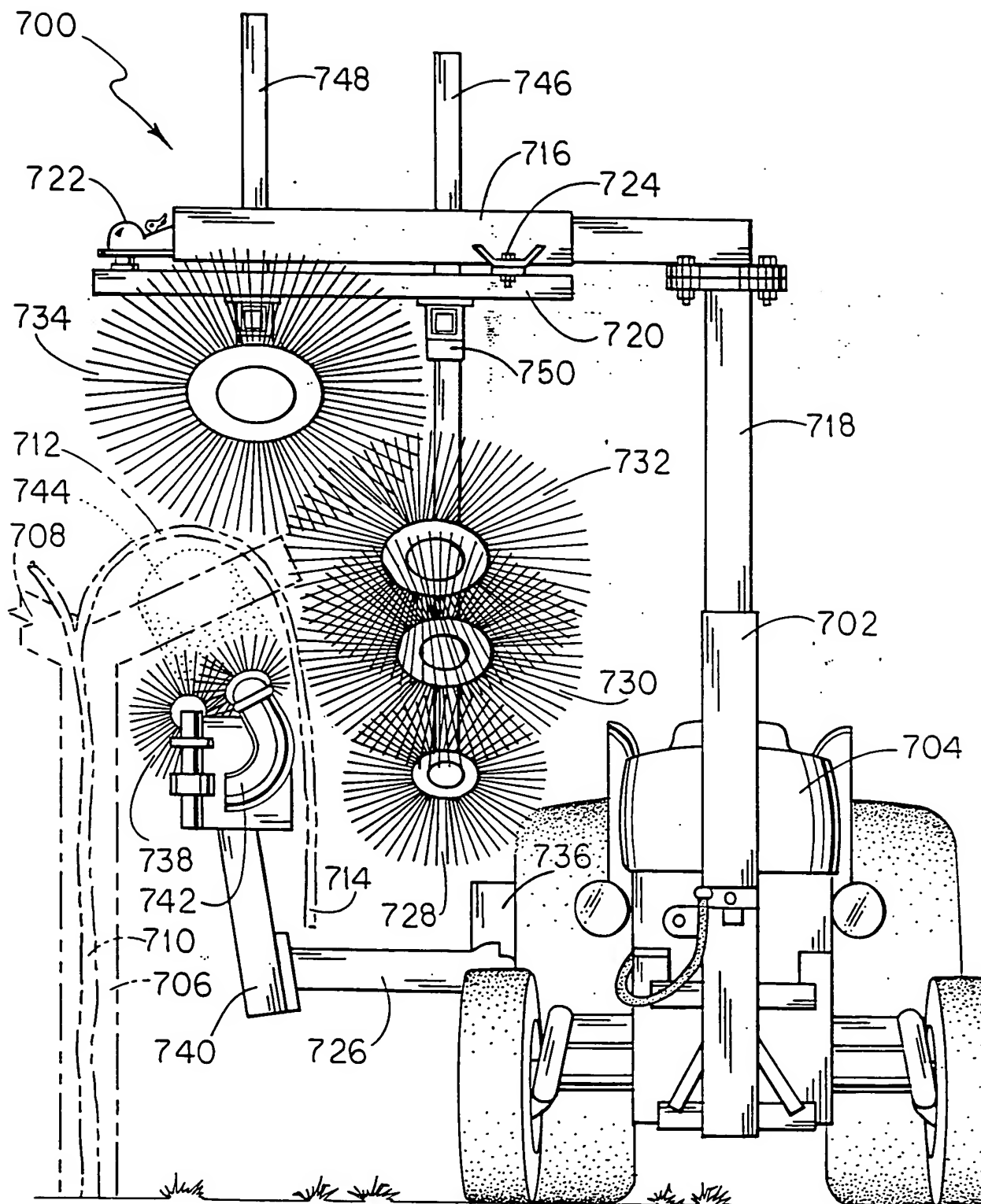


FIG. 42

FIG. 42A

10014914-10201

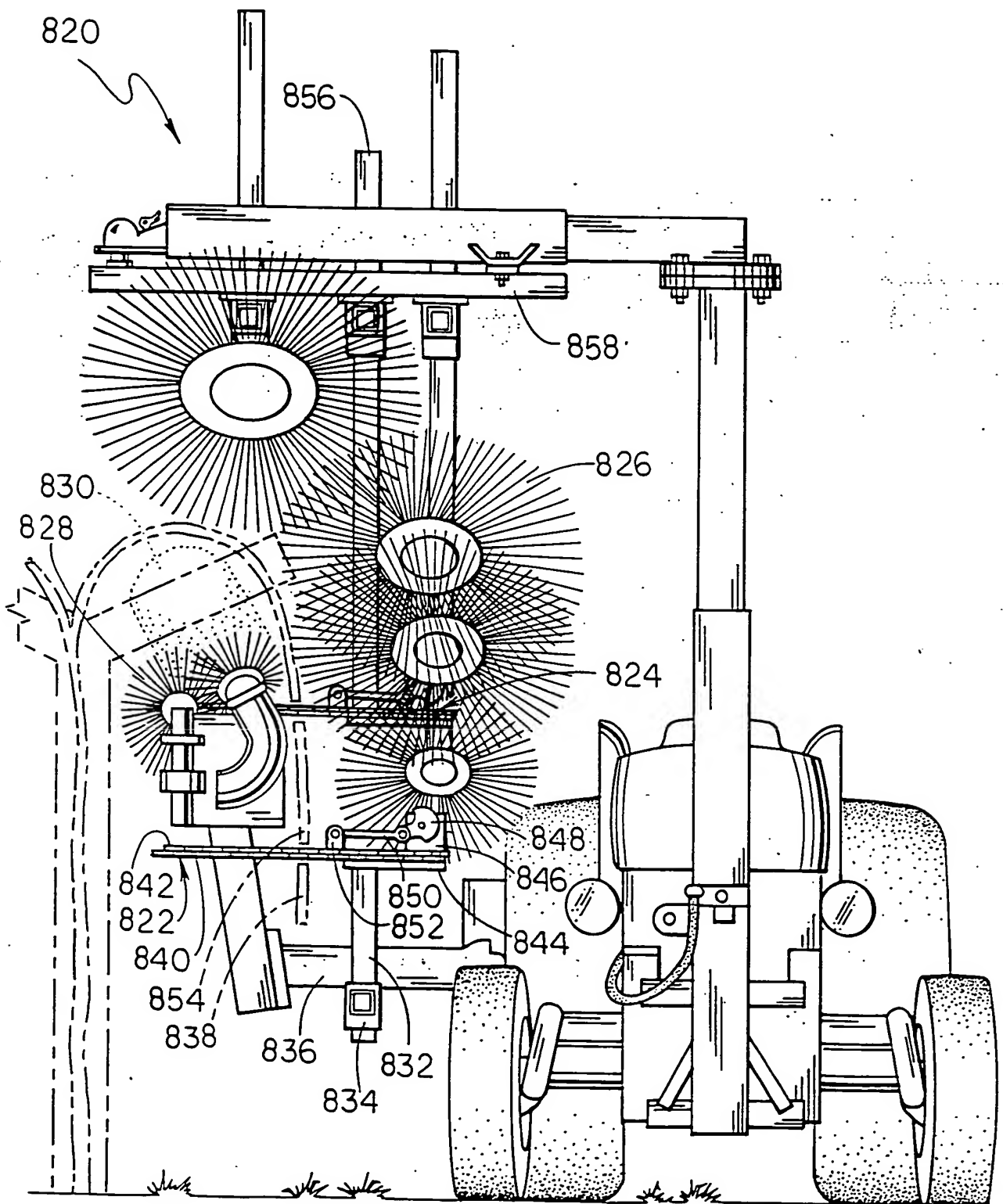


FIG. 43

FIG. 43A

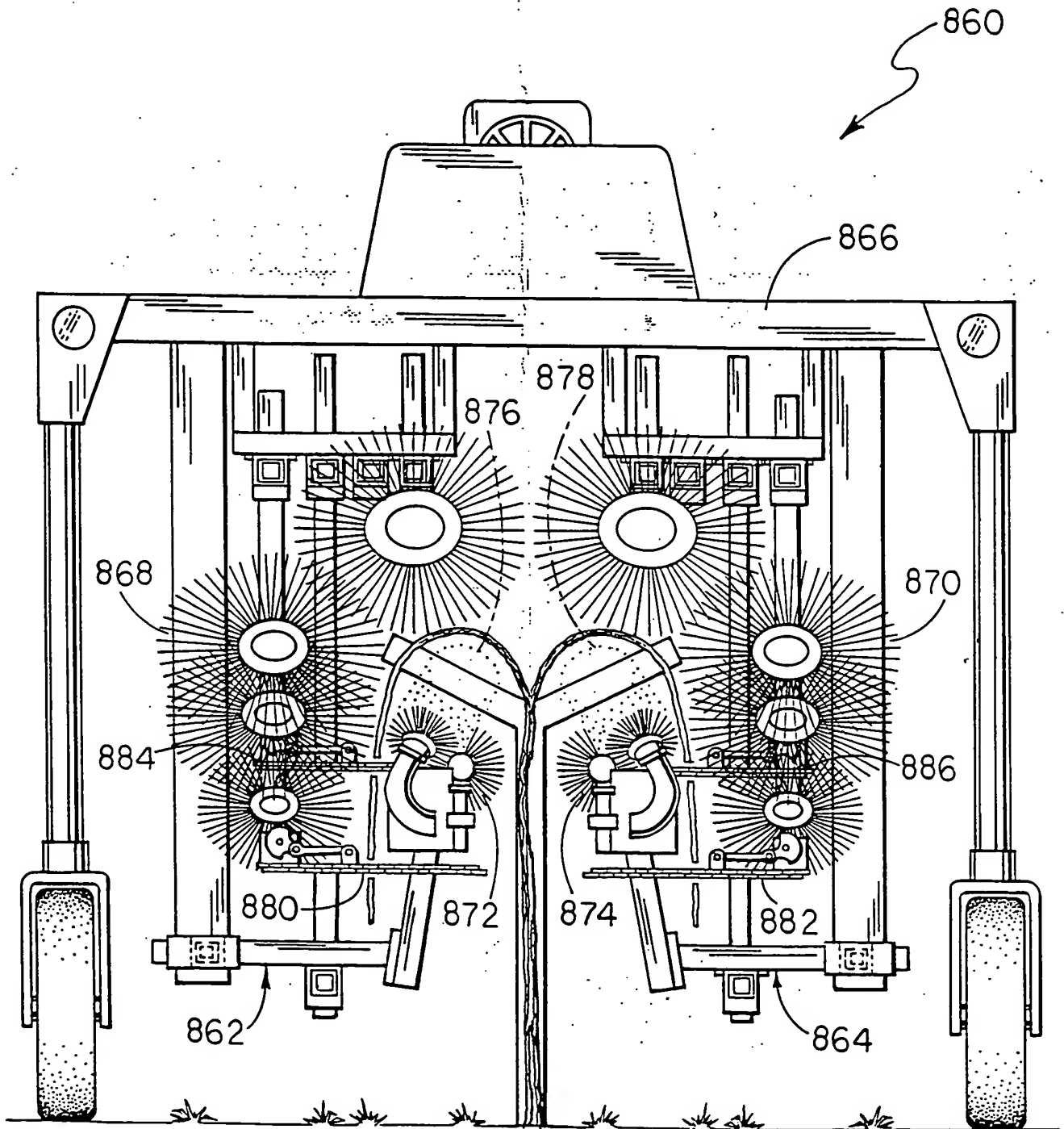


FIG. 43A

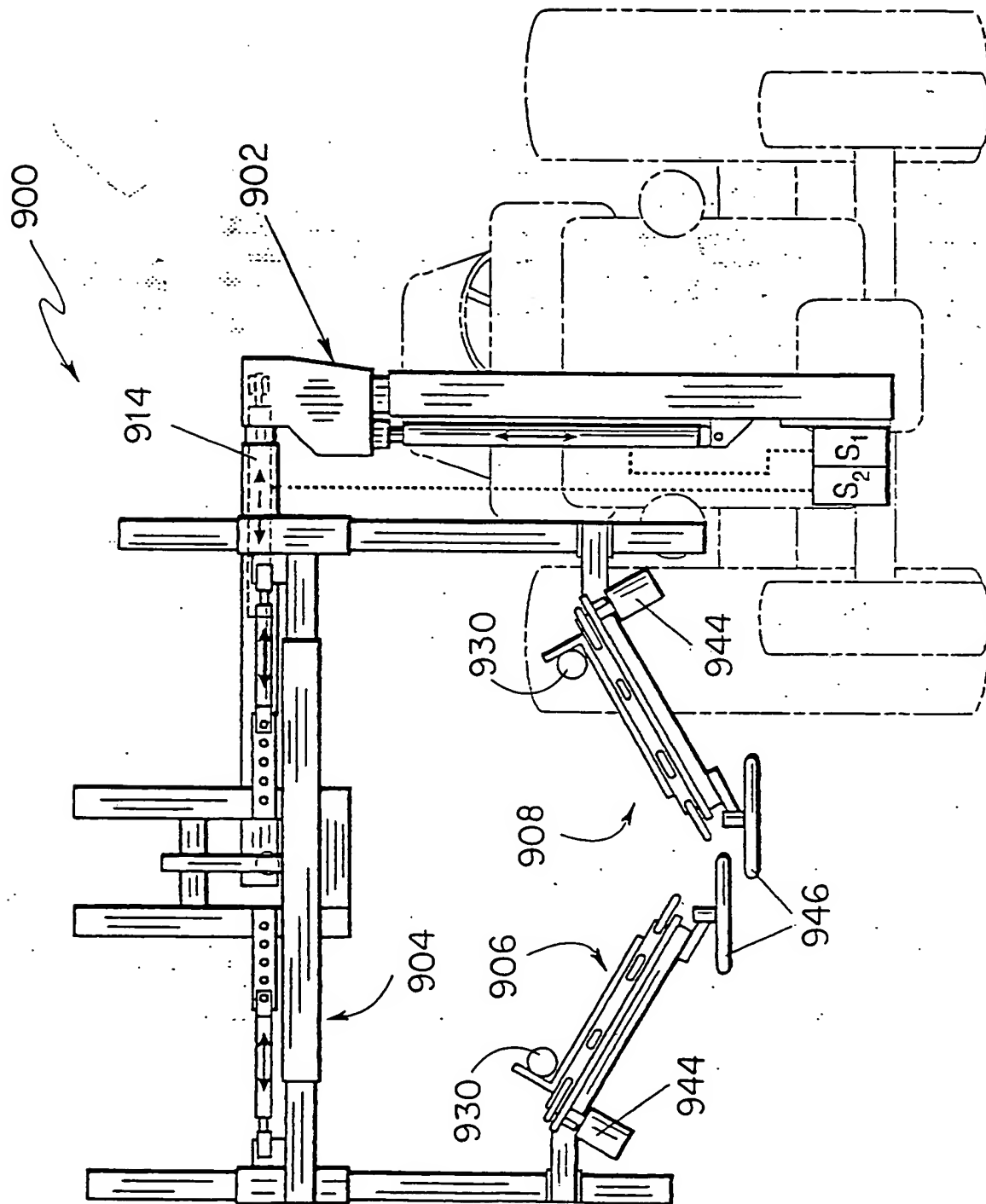
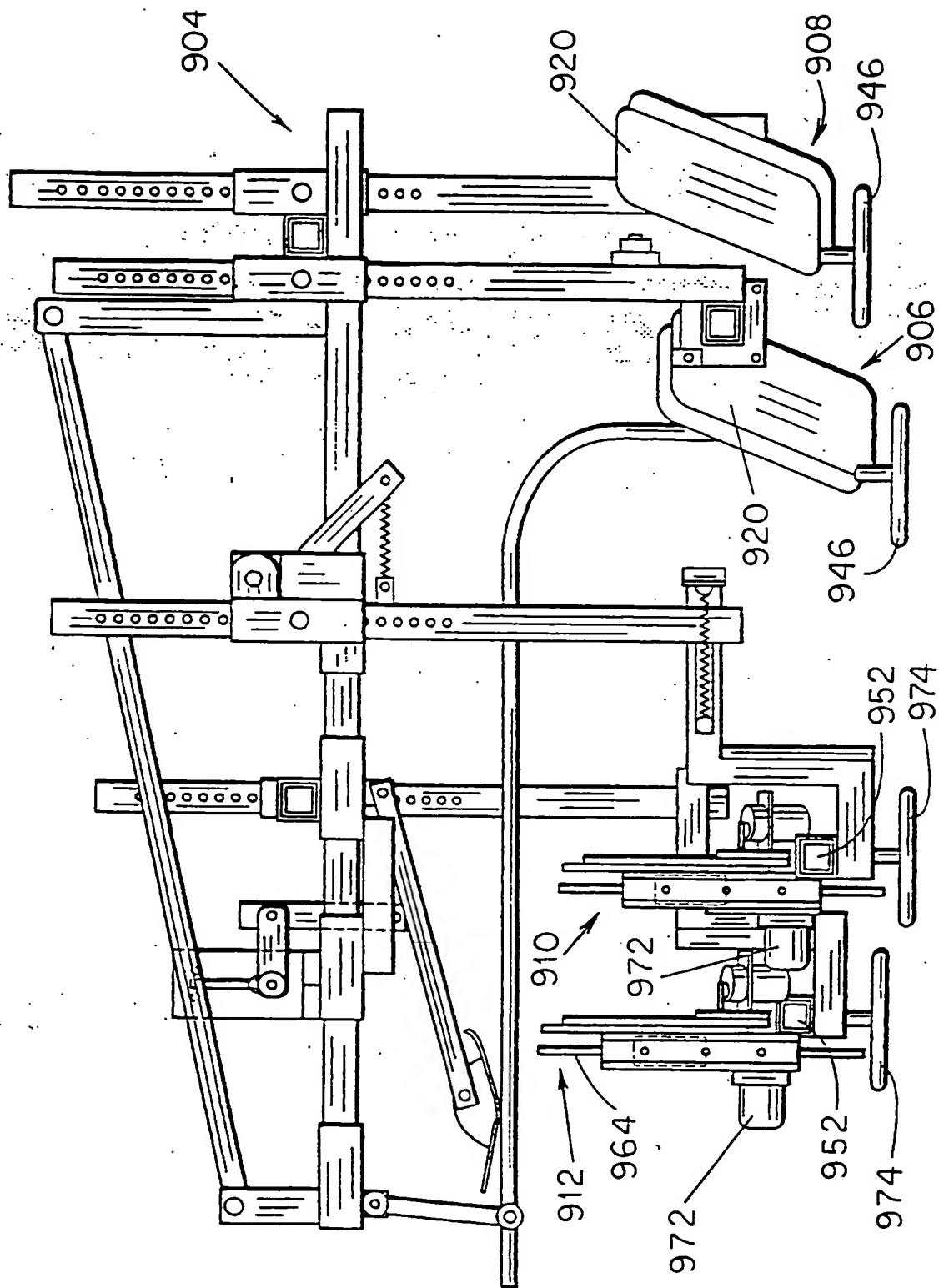


FIG. 44

FIG. 45



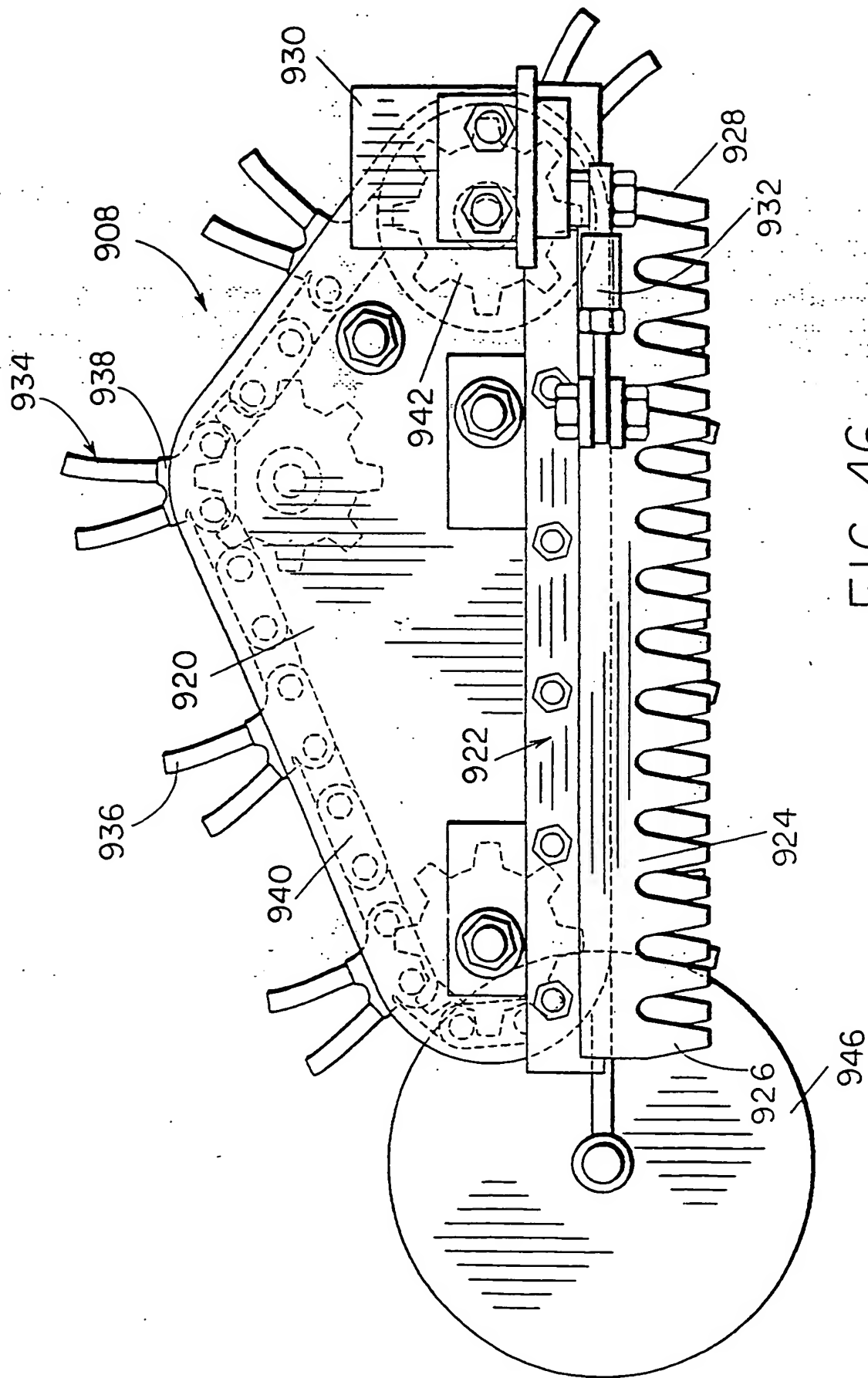


FIG. 46

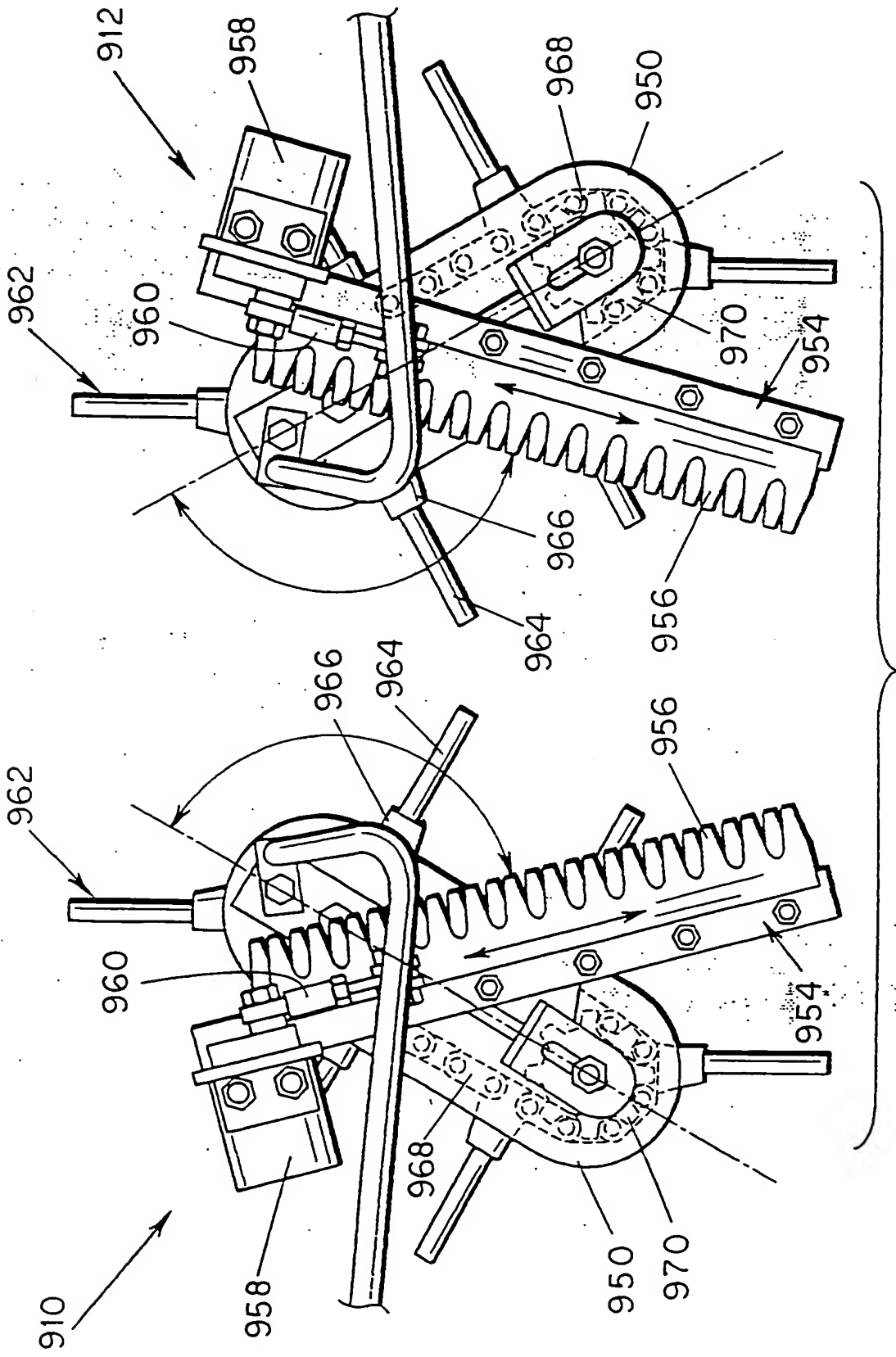


FIG. 47

TOOTH FOOT

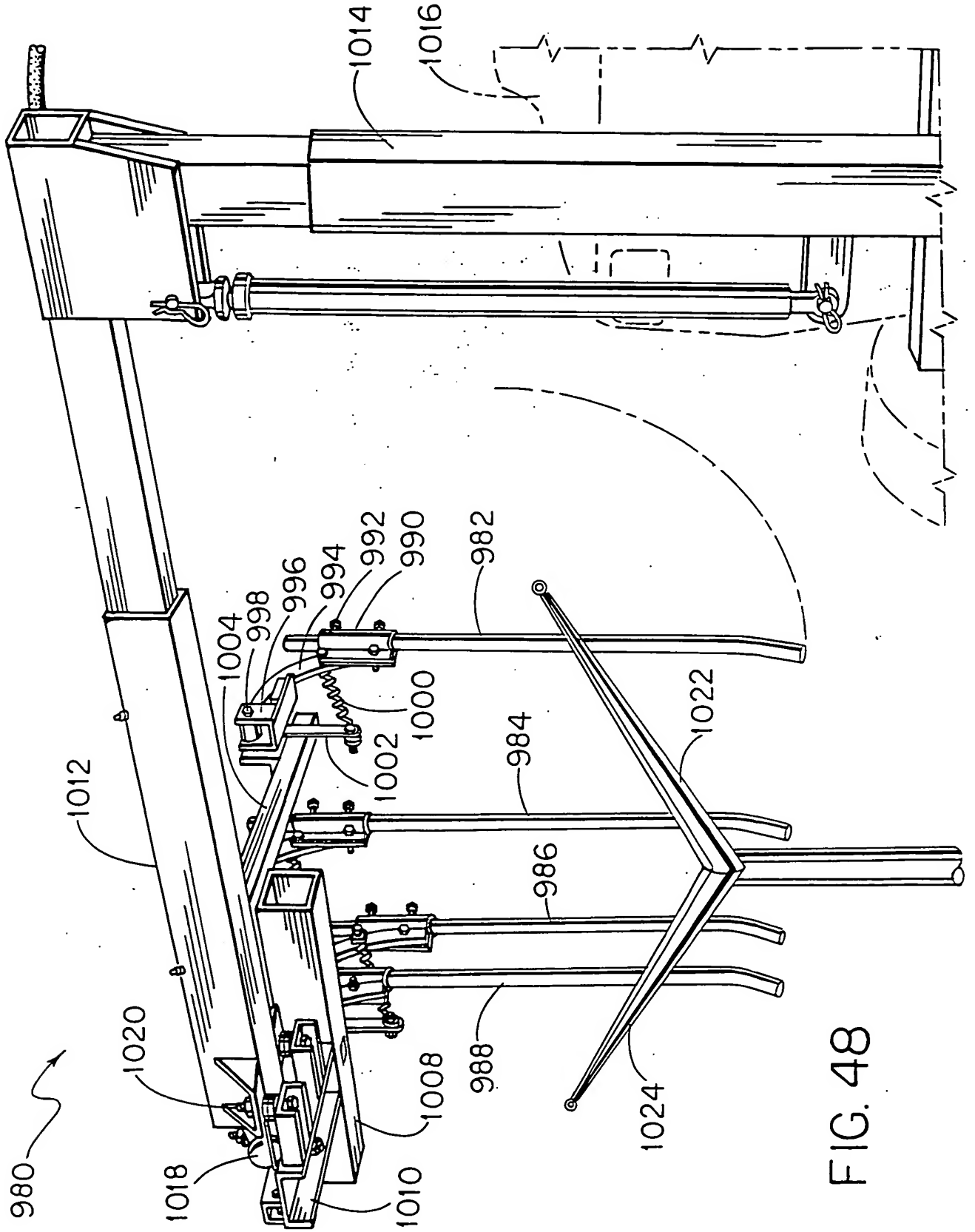


FIG. 48

FIG. 49

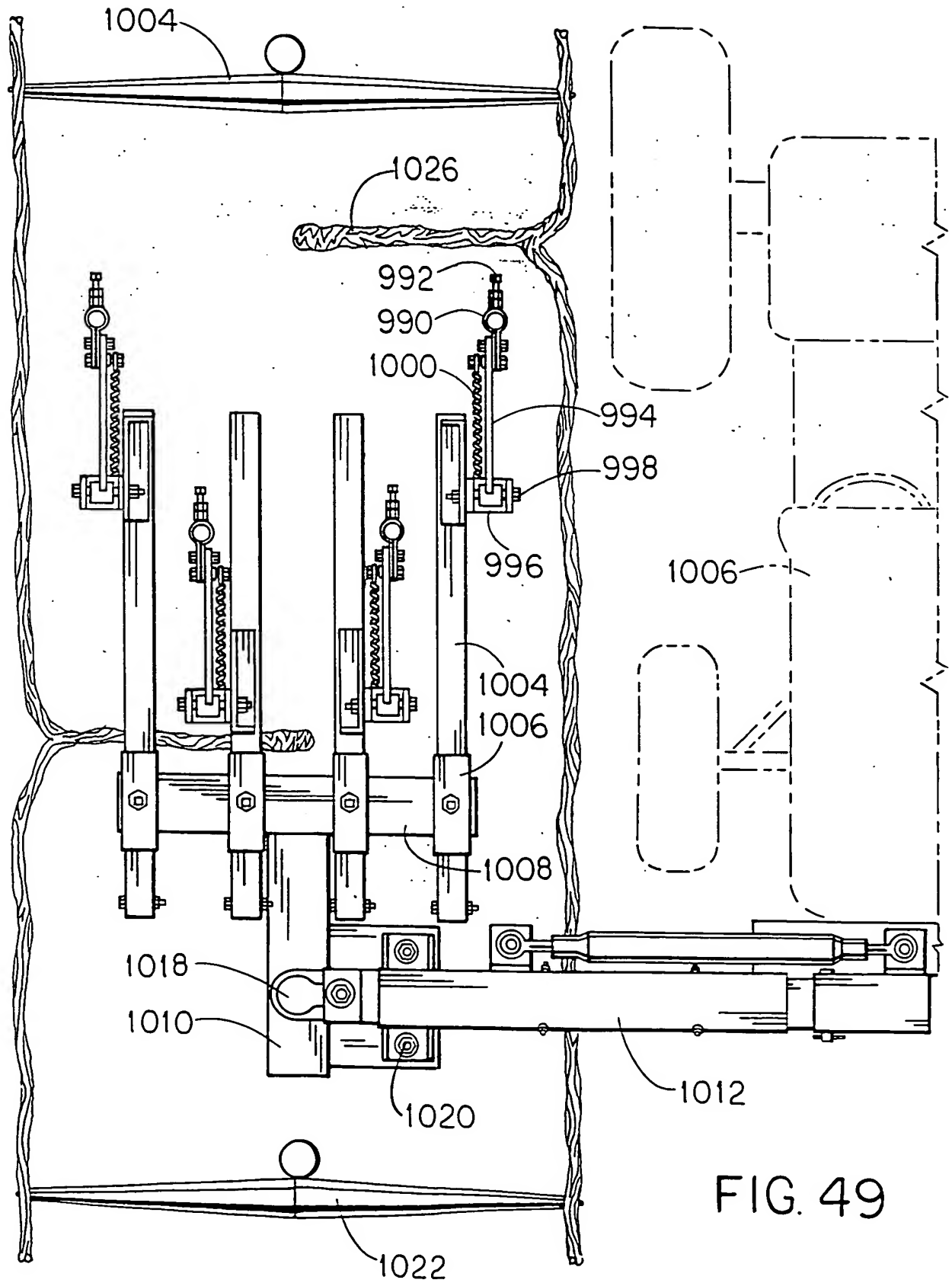


FIG. 49

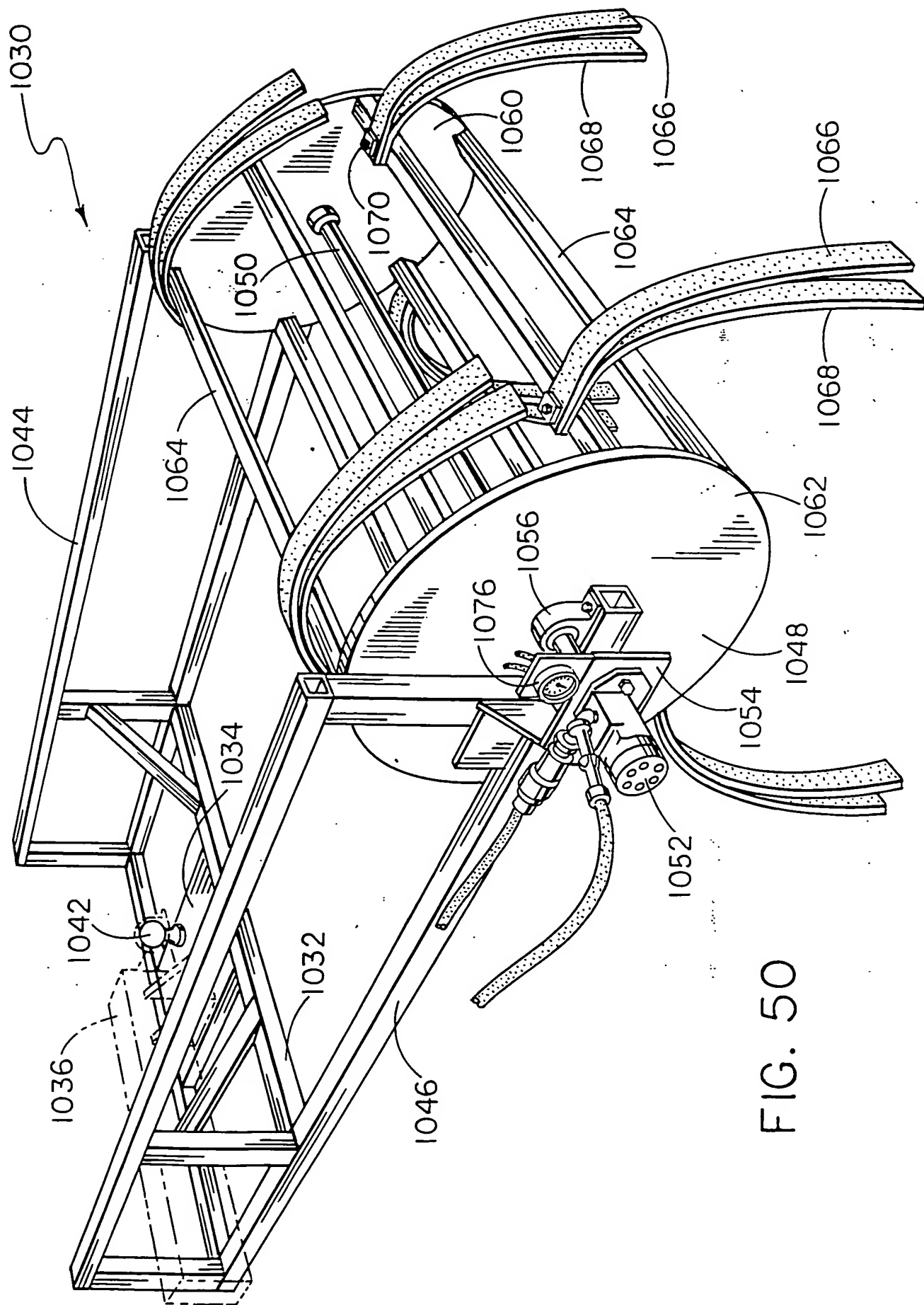


FIG. 50

FIG. 51

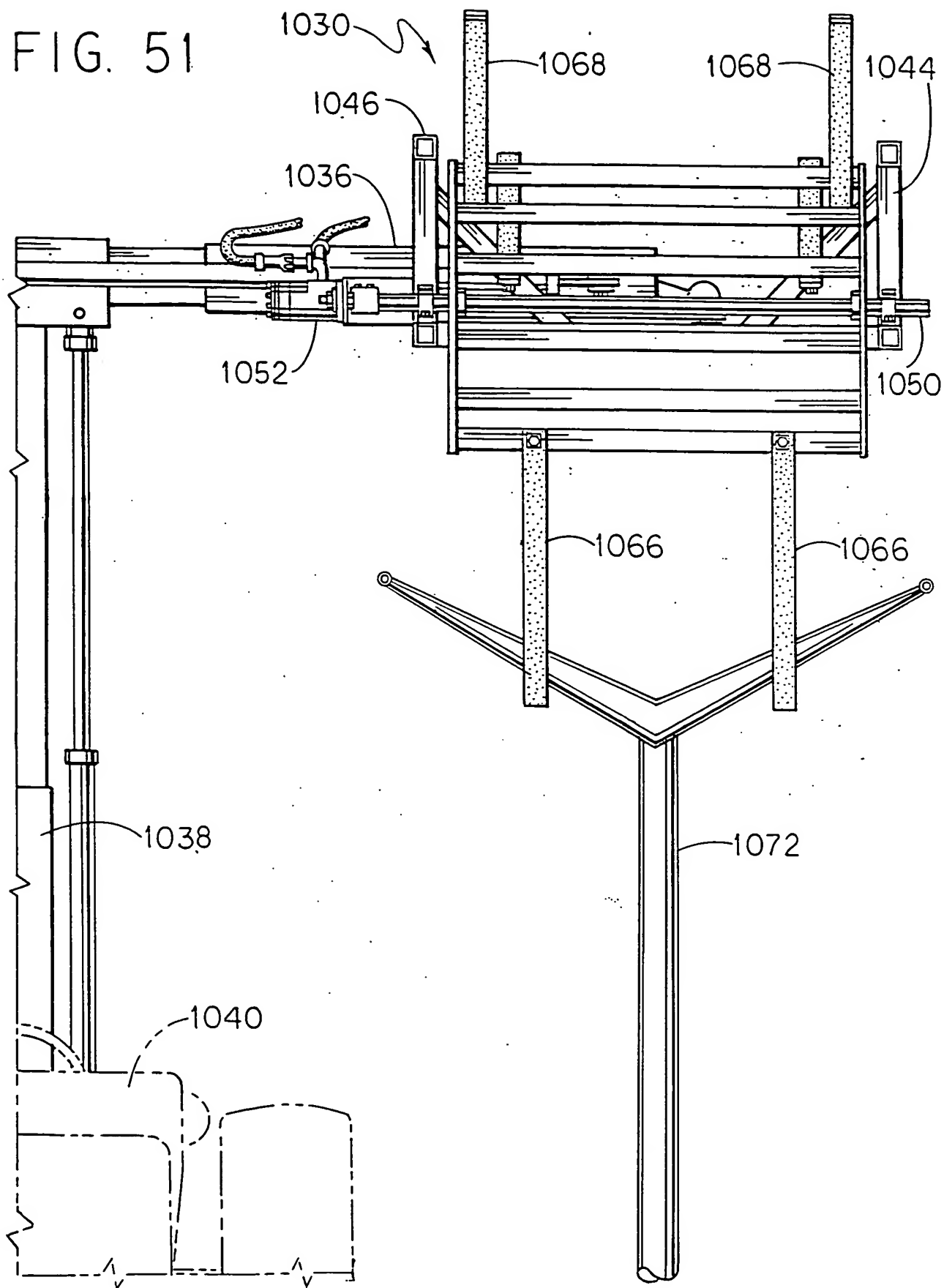


FIG. 52

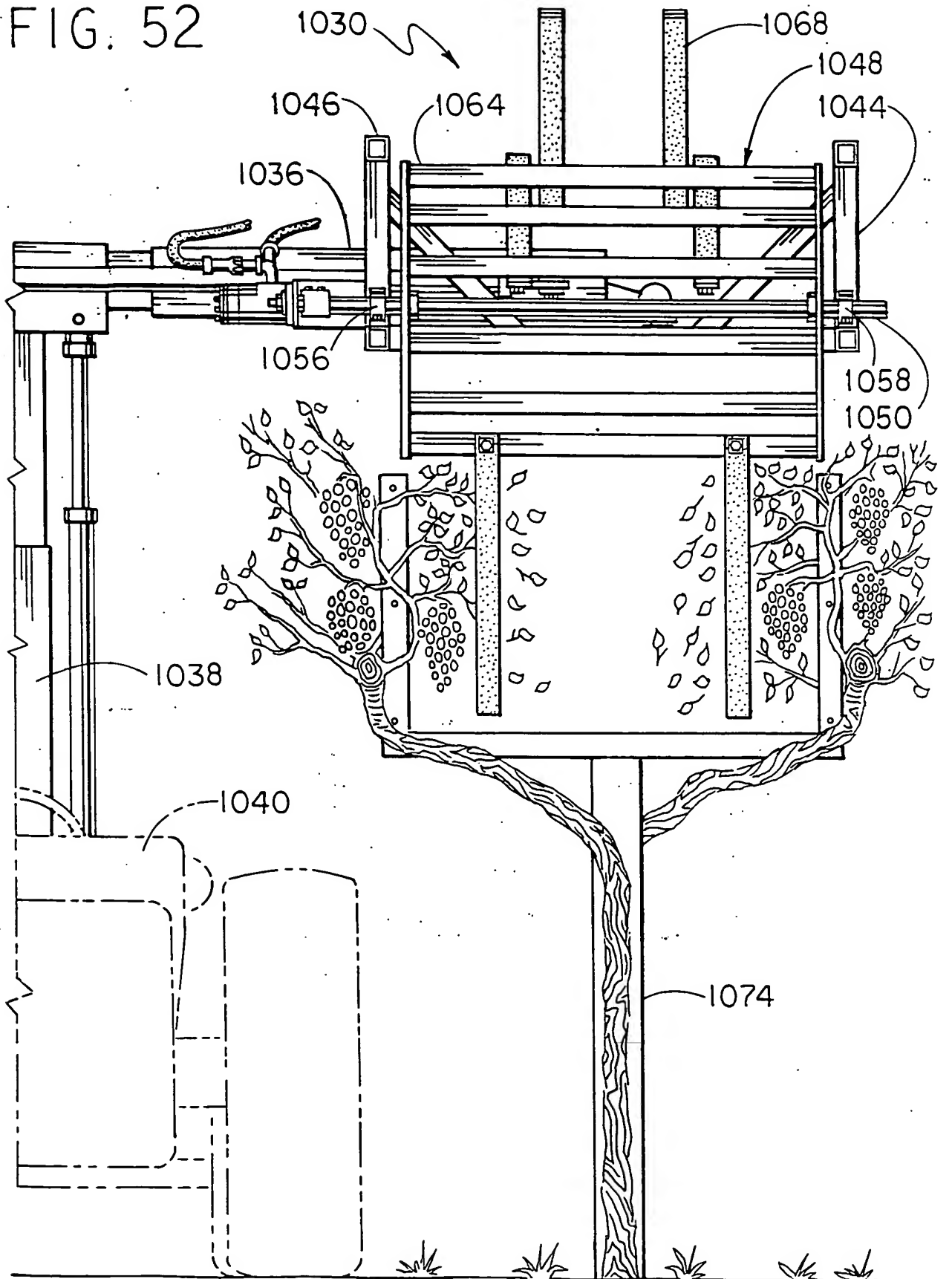


FIG. 52

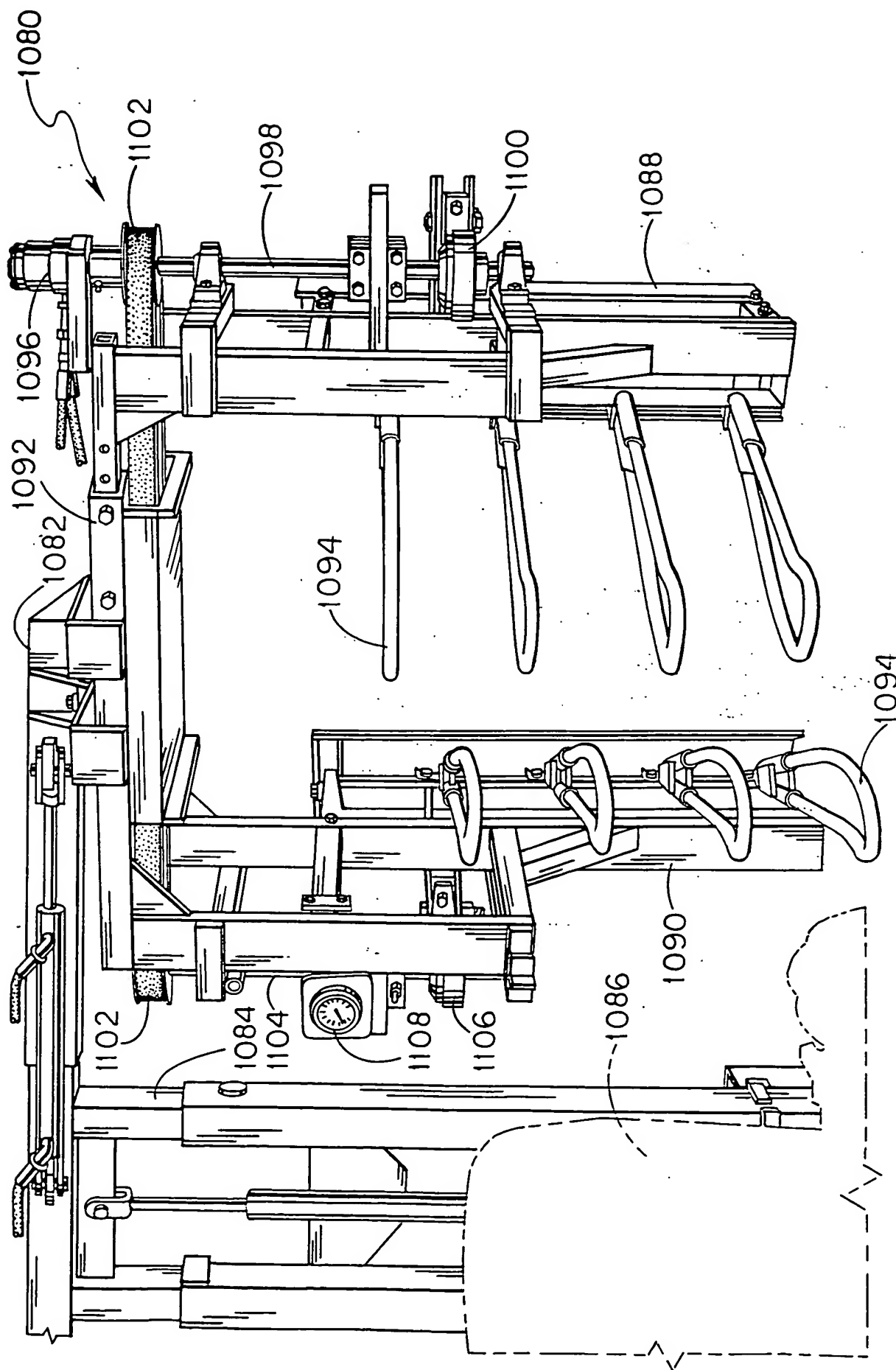


FIG. 53

FIG. 54

10014914-102201

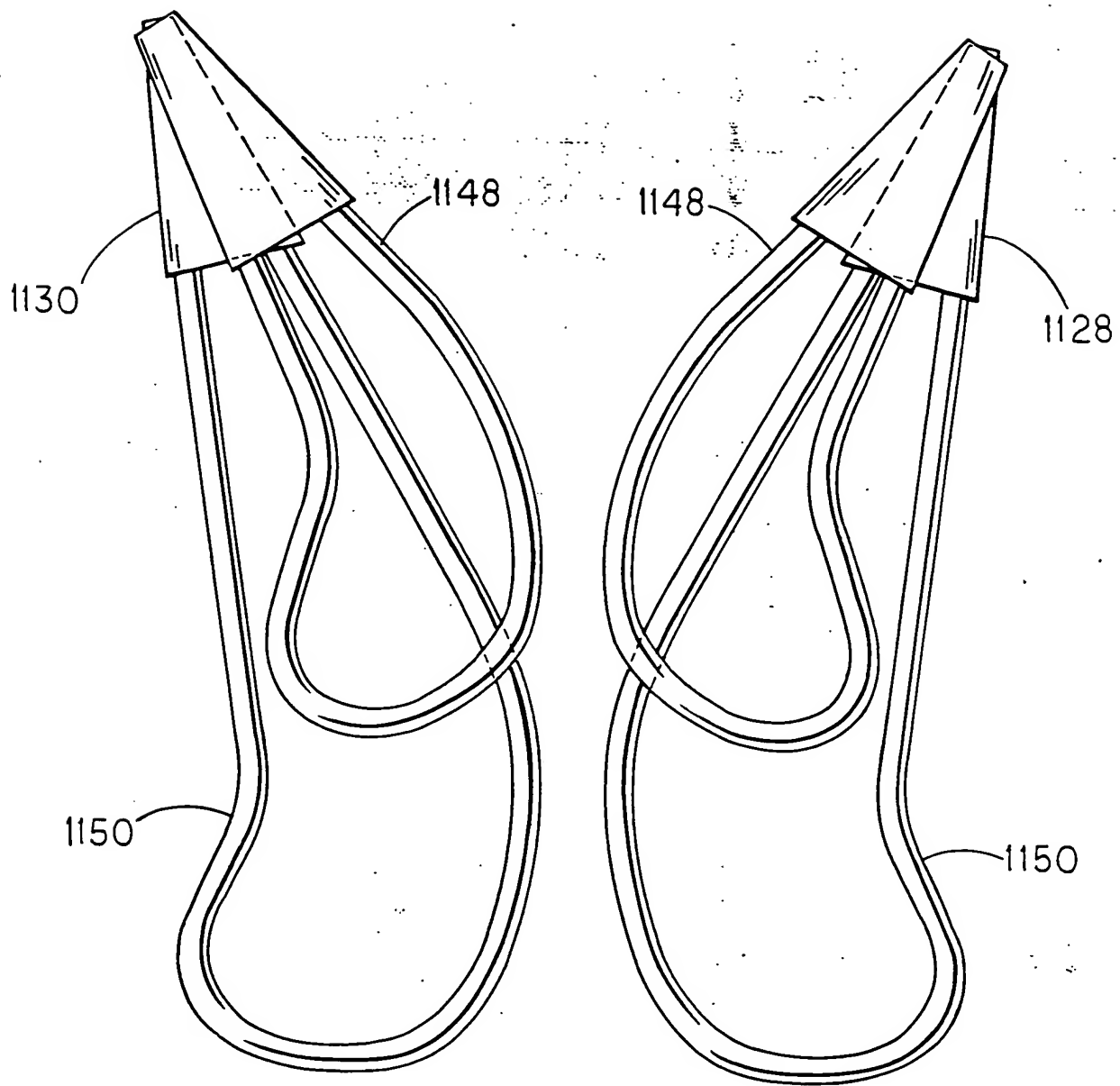
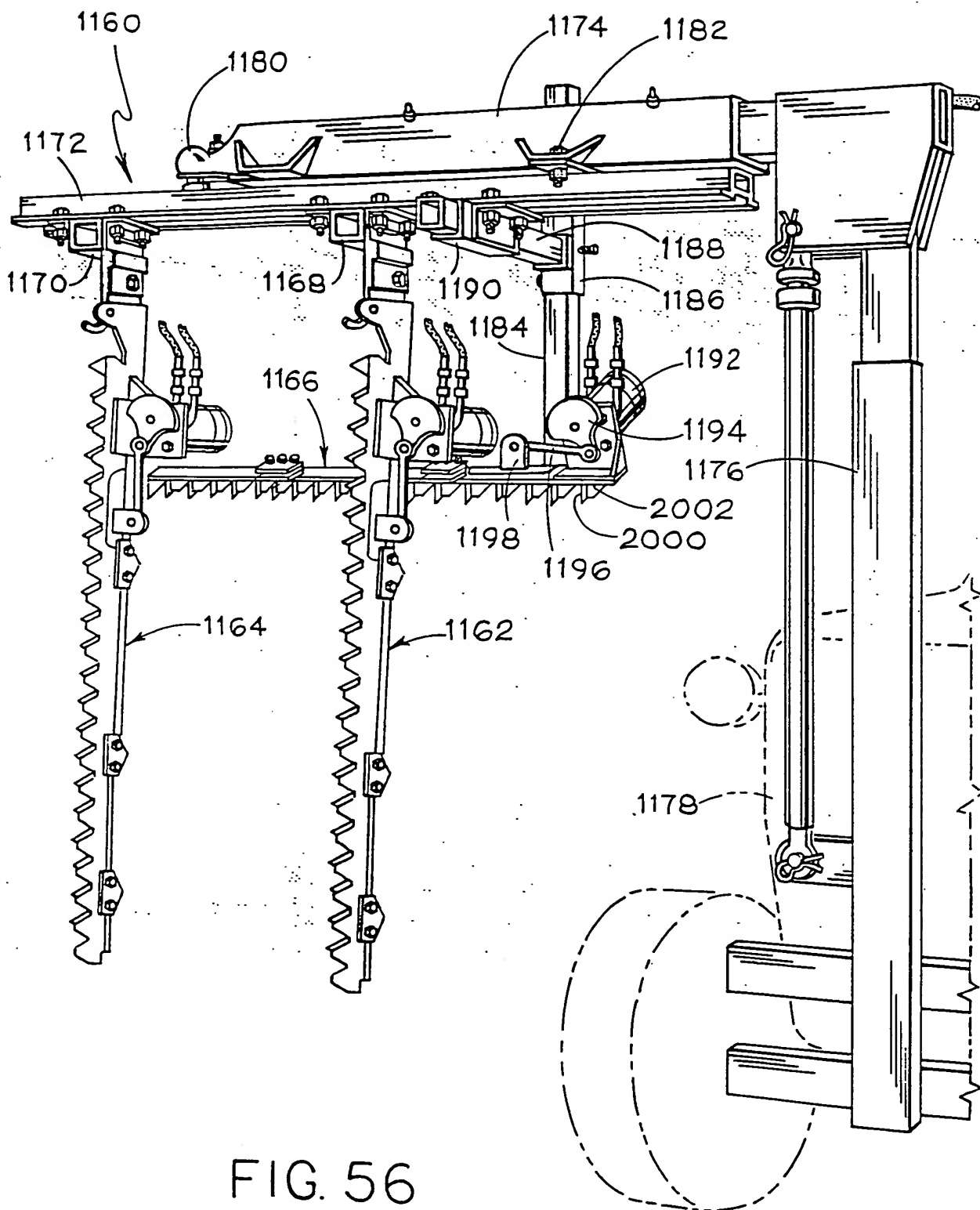


FIG. 55

10014914 102201



10044914-102201

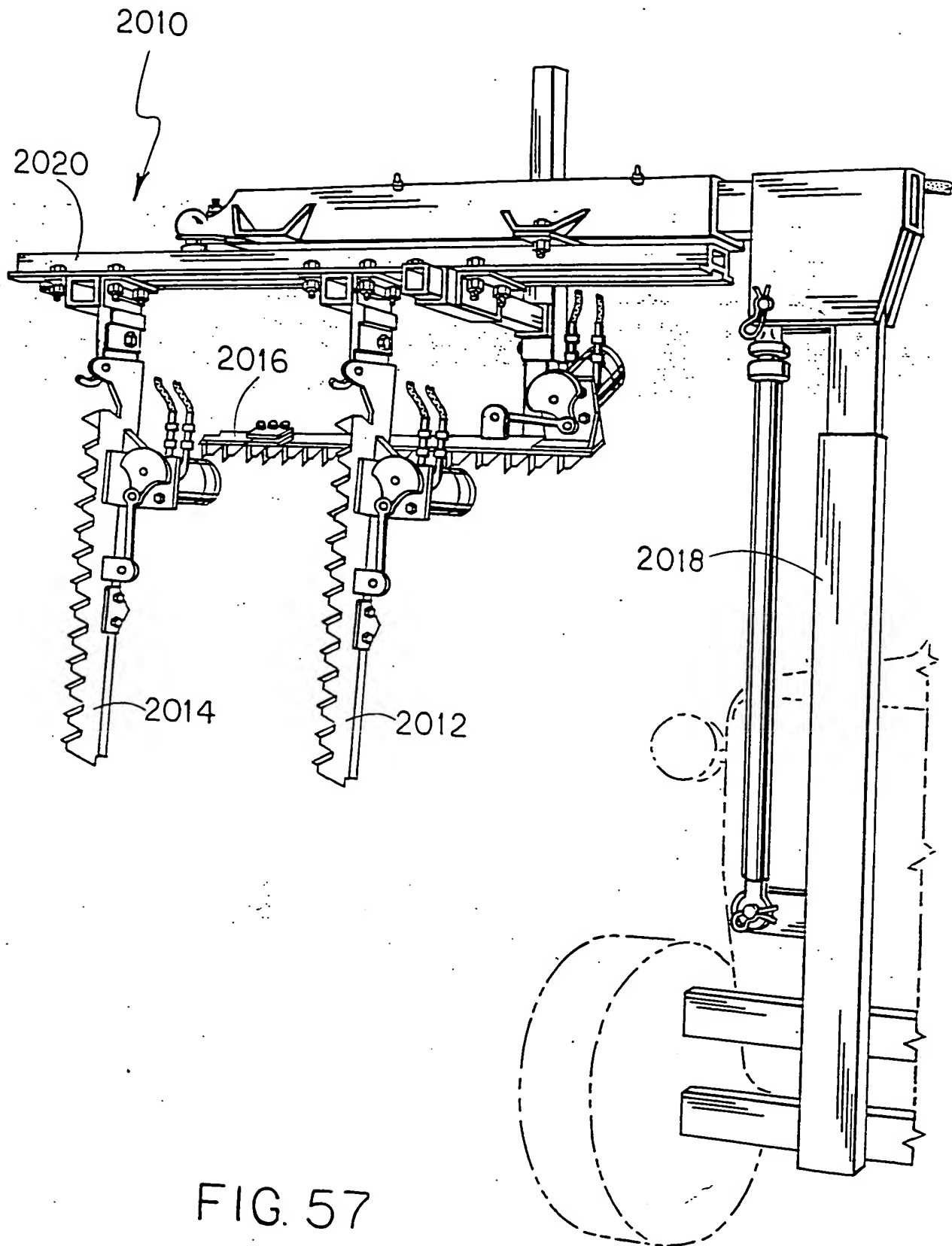


FIG. 57

1004494-1020T-4T54T00T

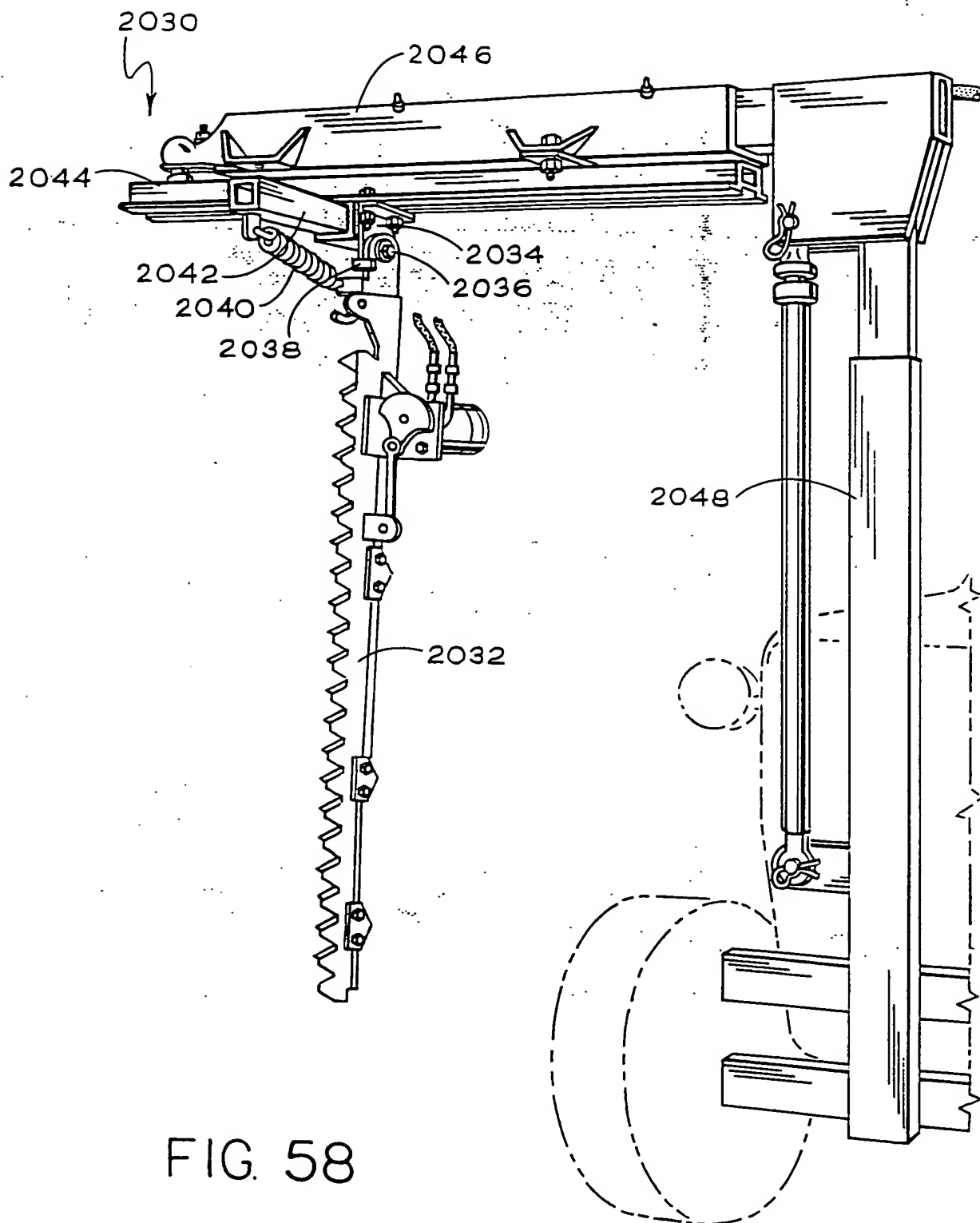
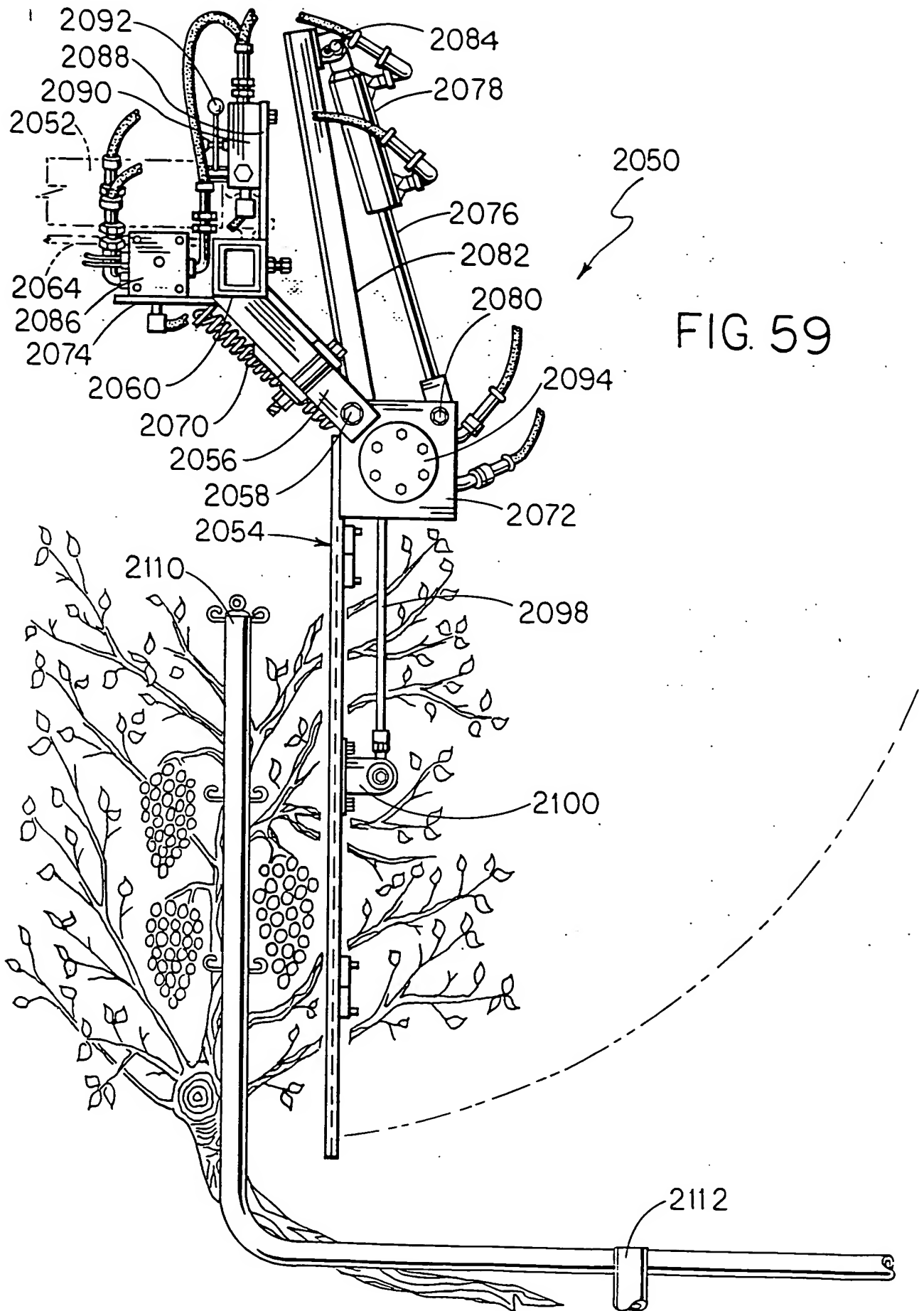


FIG. 58



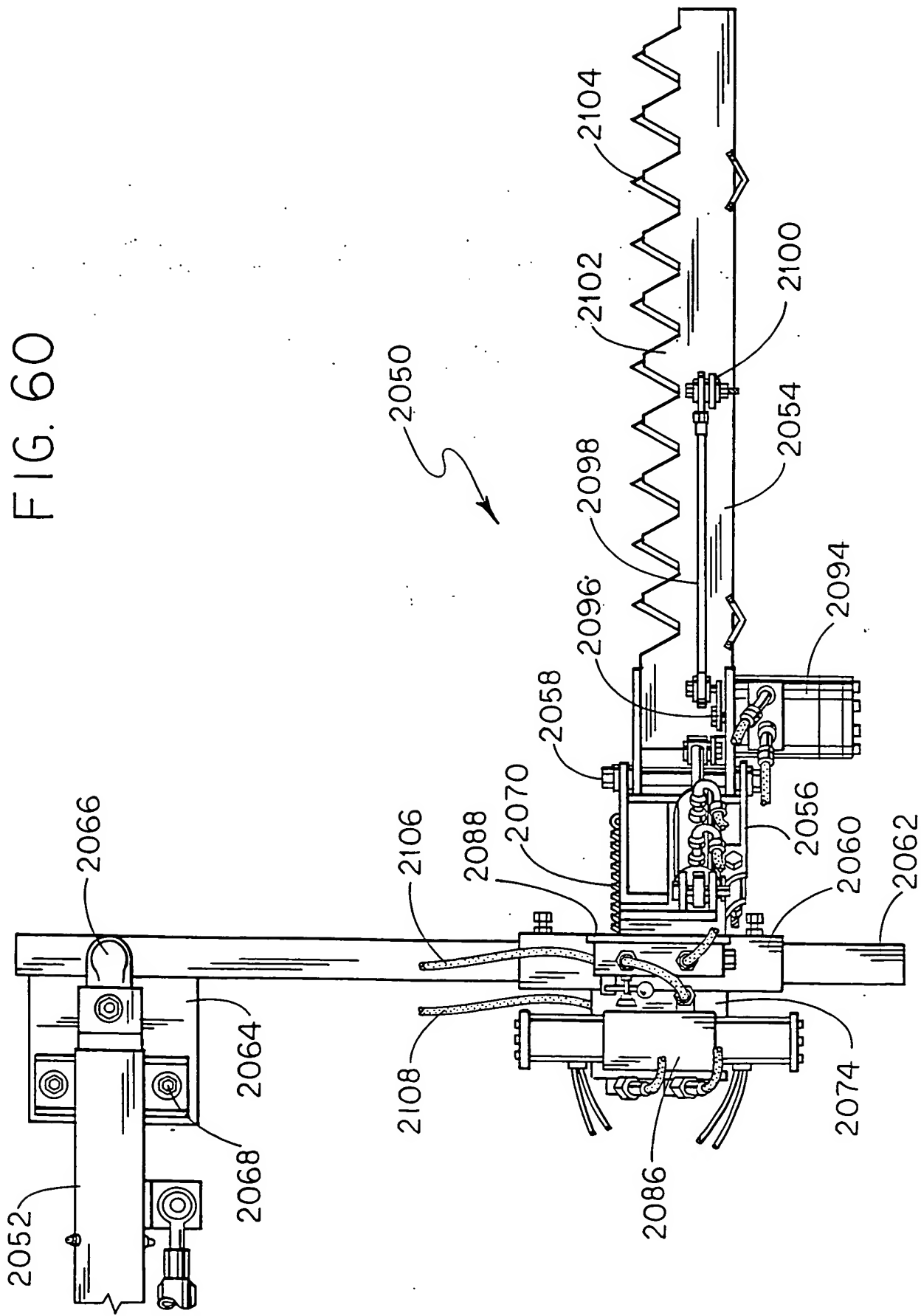
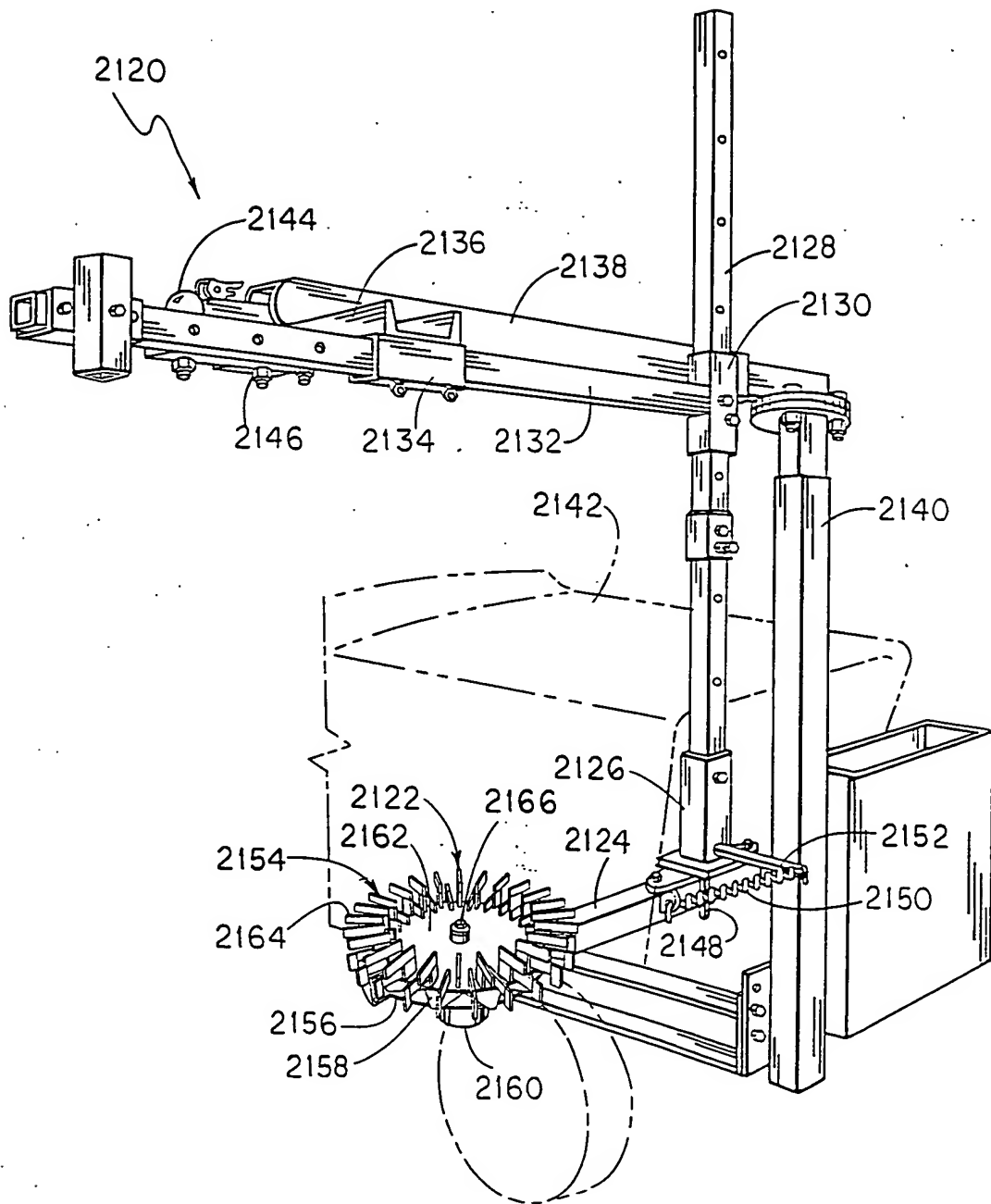
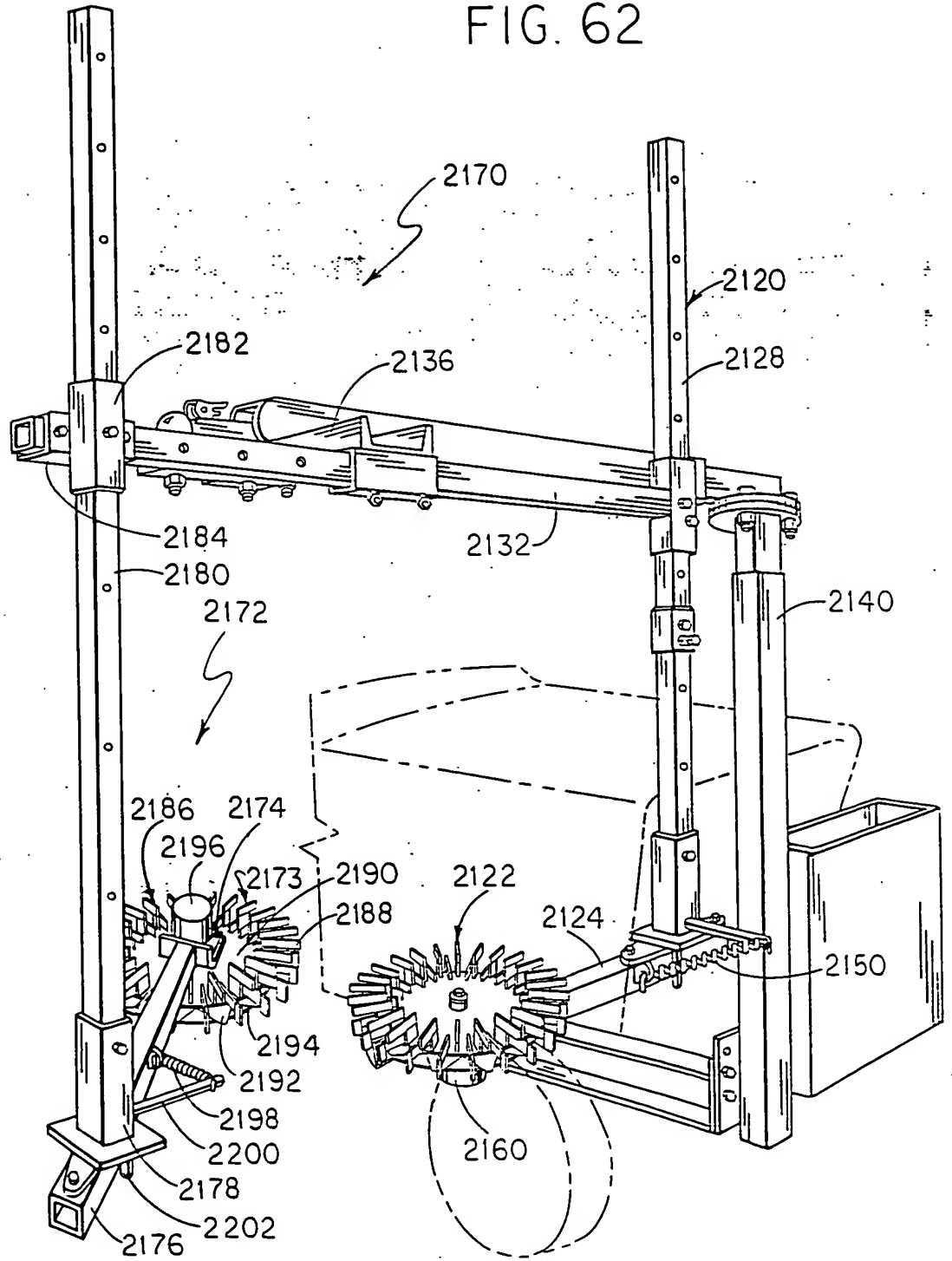


FIG. 61



10014914-102201

FIG. 62



1001494-10201

FIG. 63

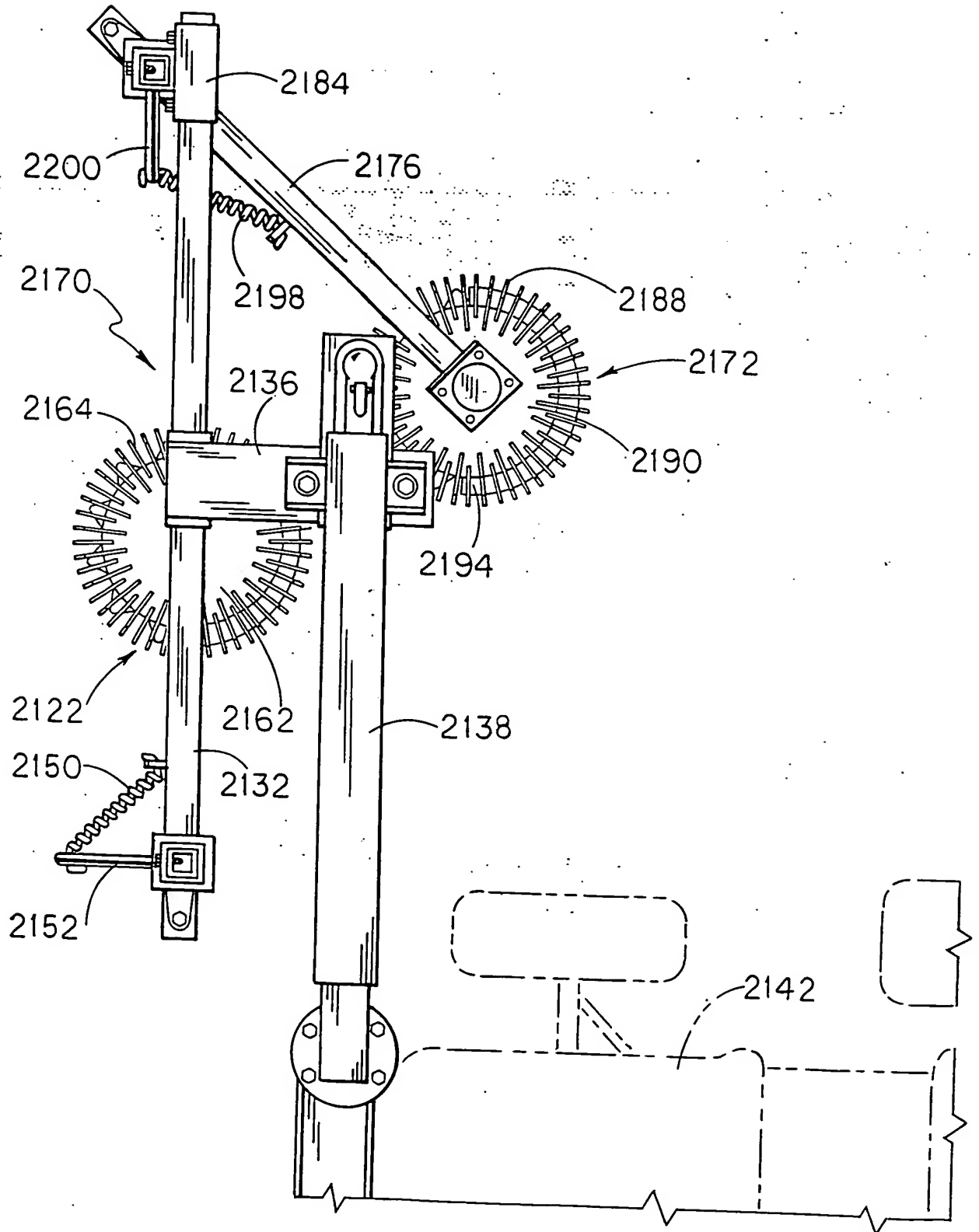
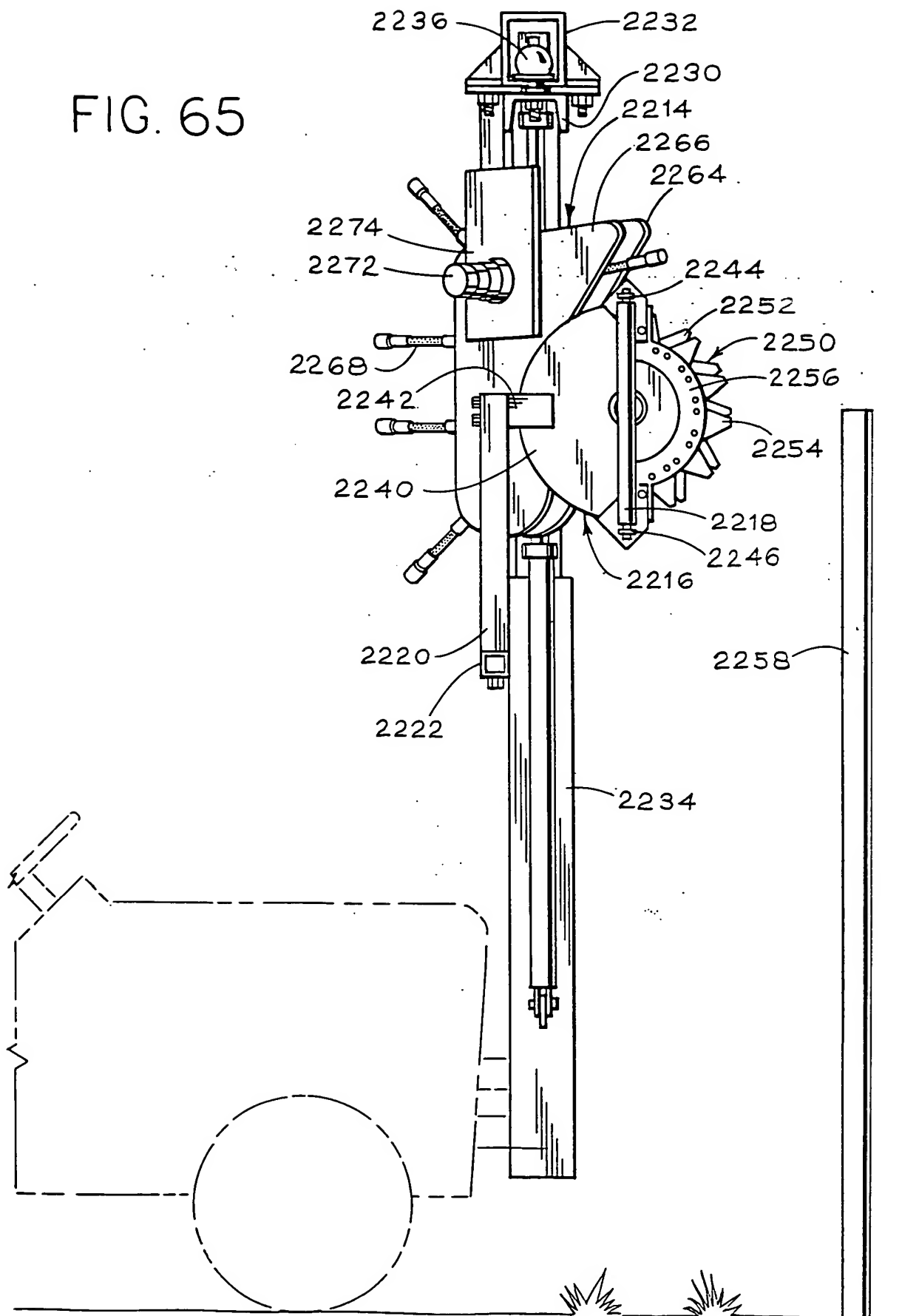


FIG. 63

FIG. 64

FIG. 64

FIG. 65



10014914 102201

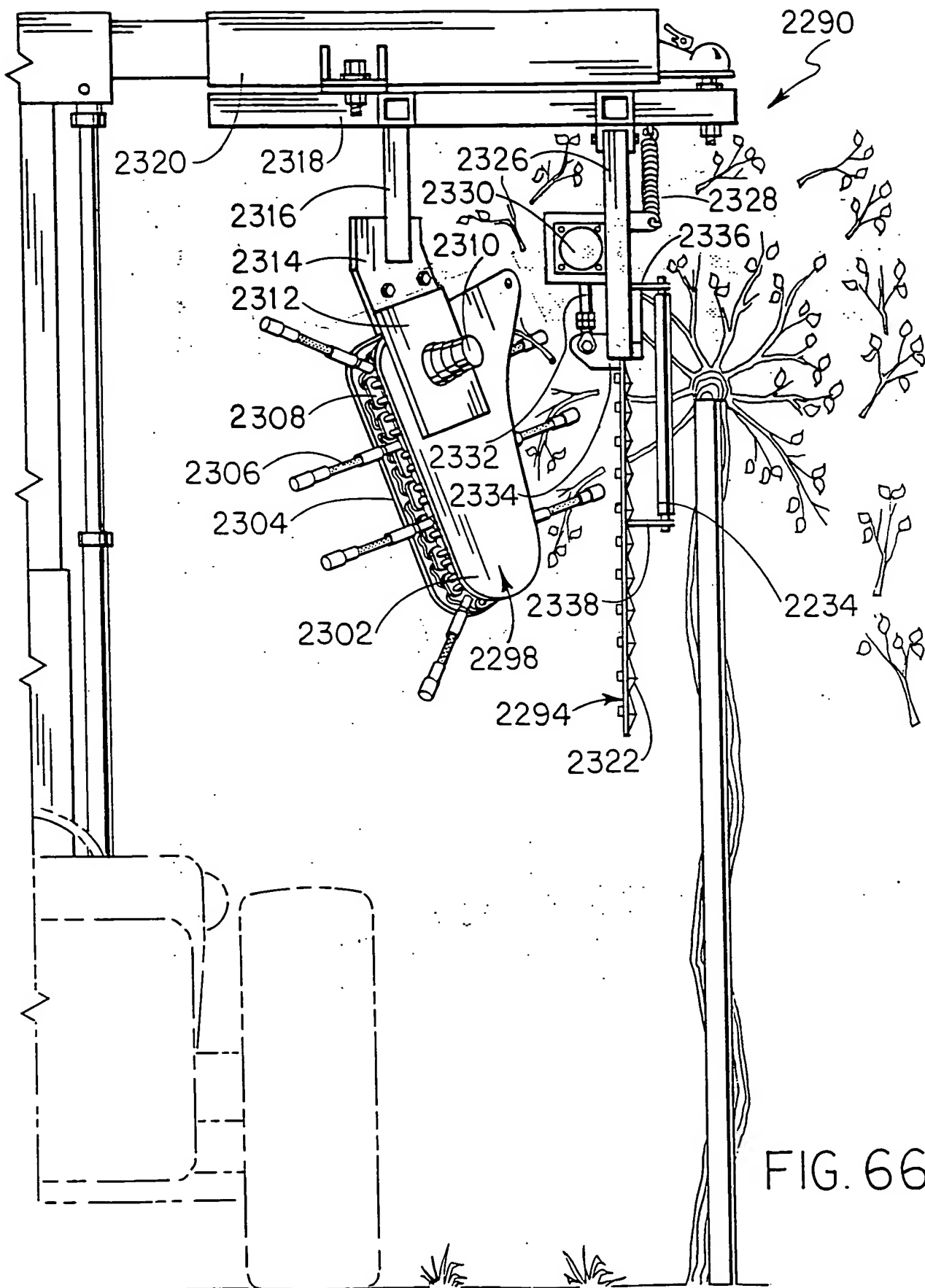


FIG. 66

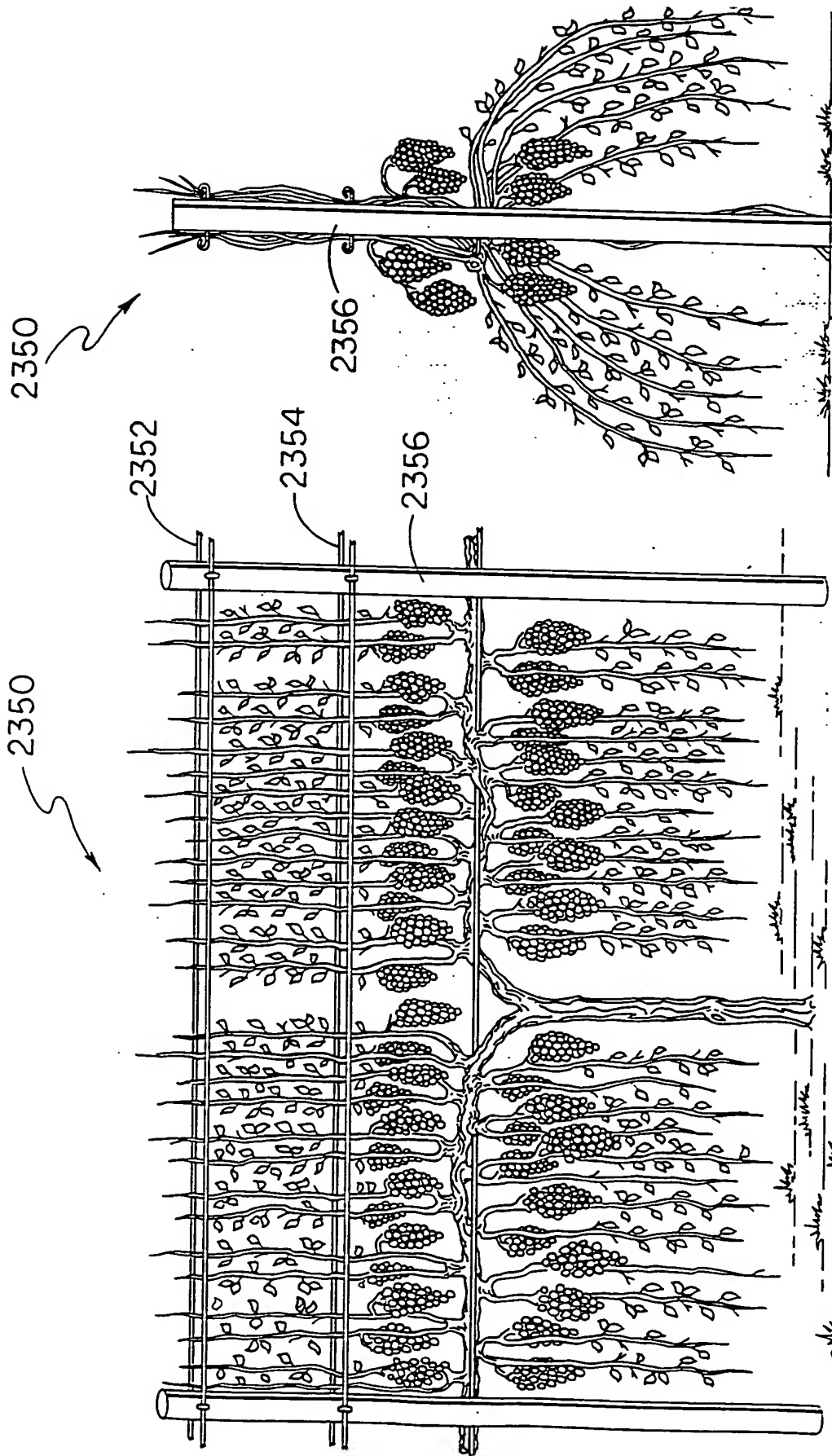


FIG. 67

FIG. 68

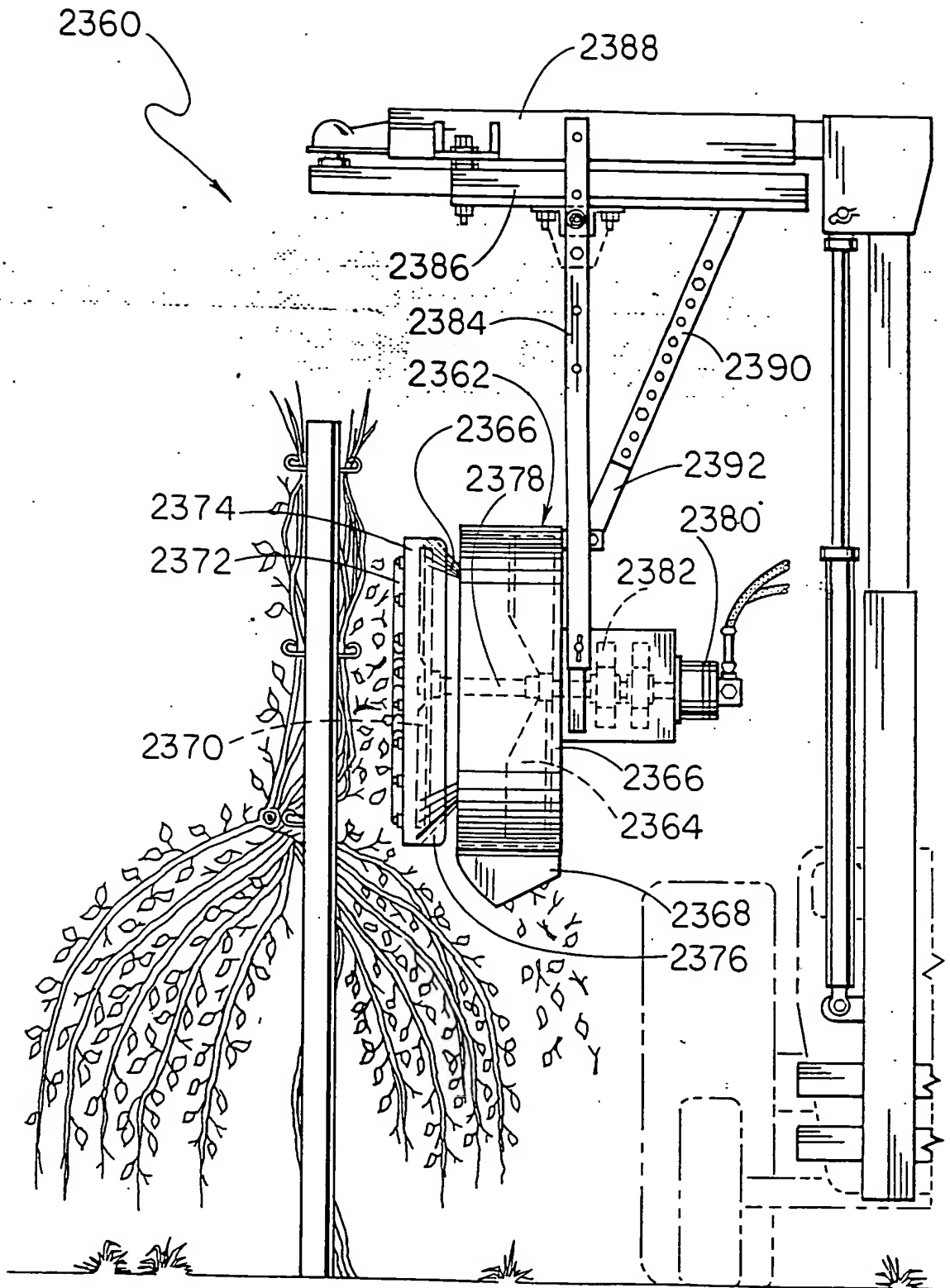


FIG. 69

10014914-102201

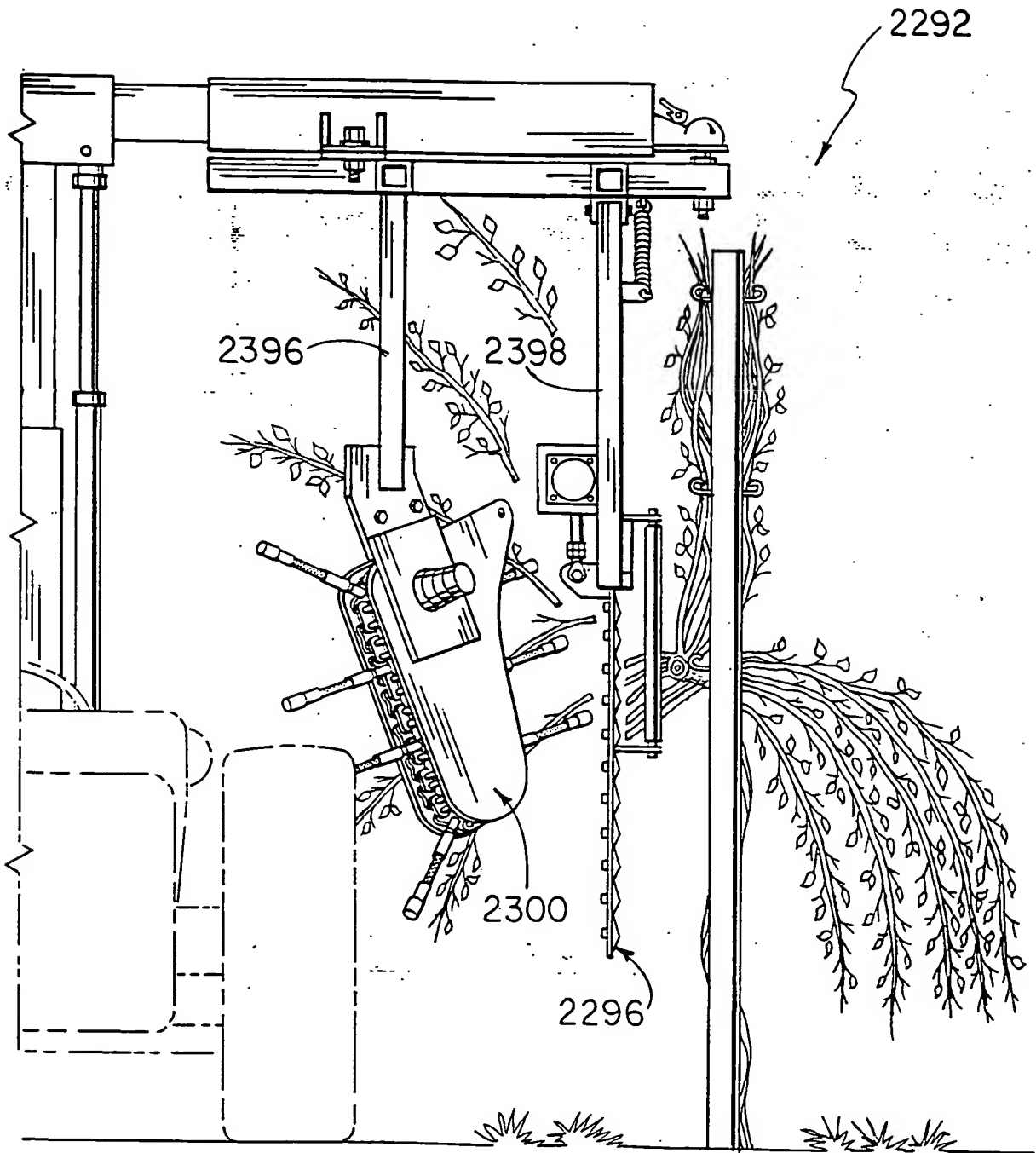


FIG. 70

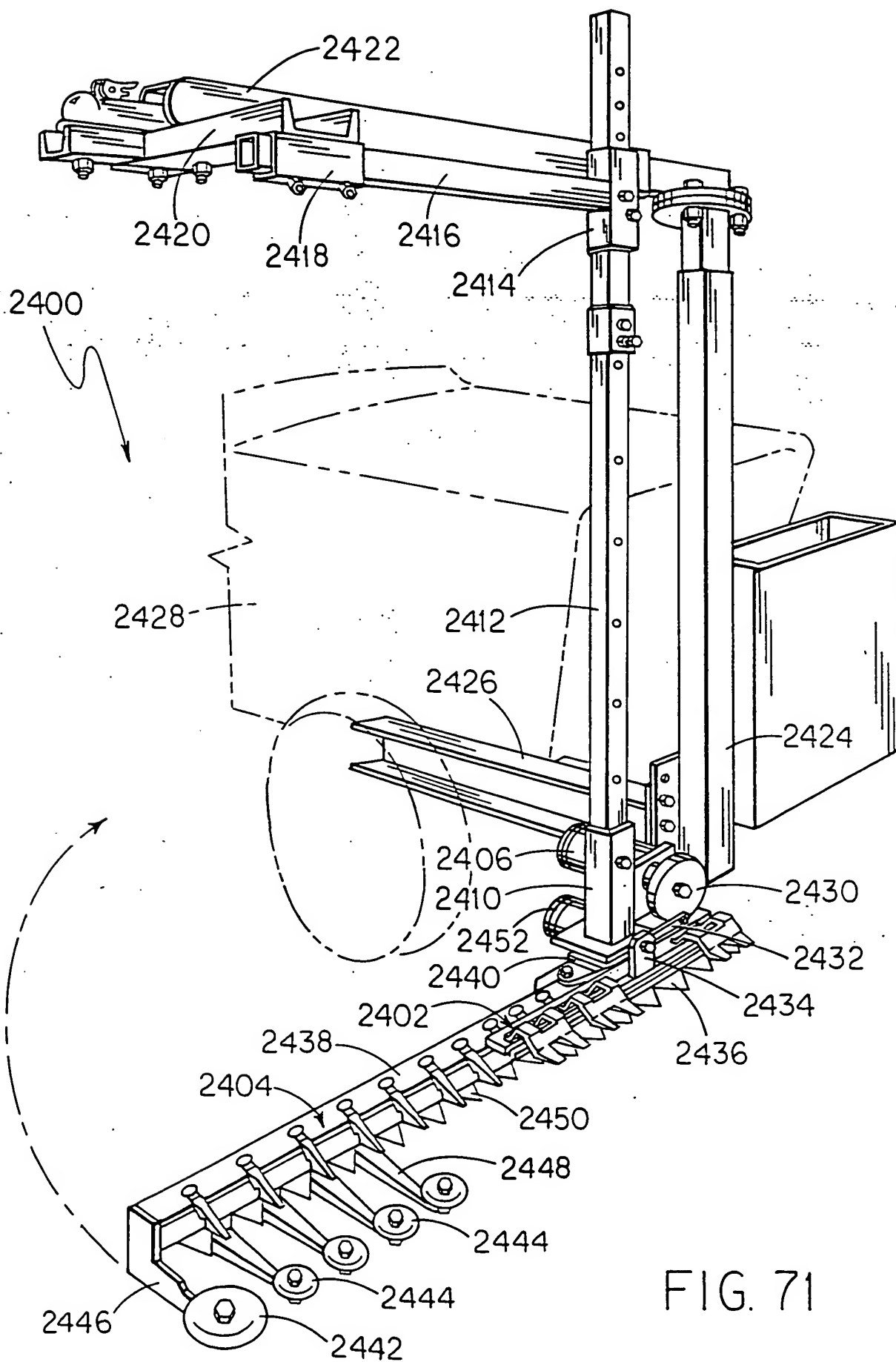


FIG. 71

10014914-102201

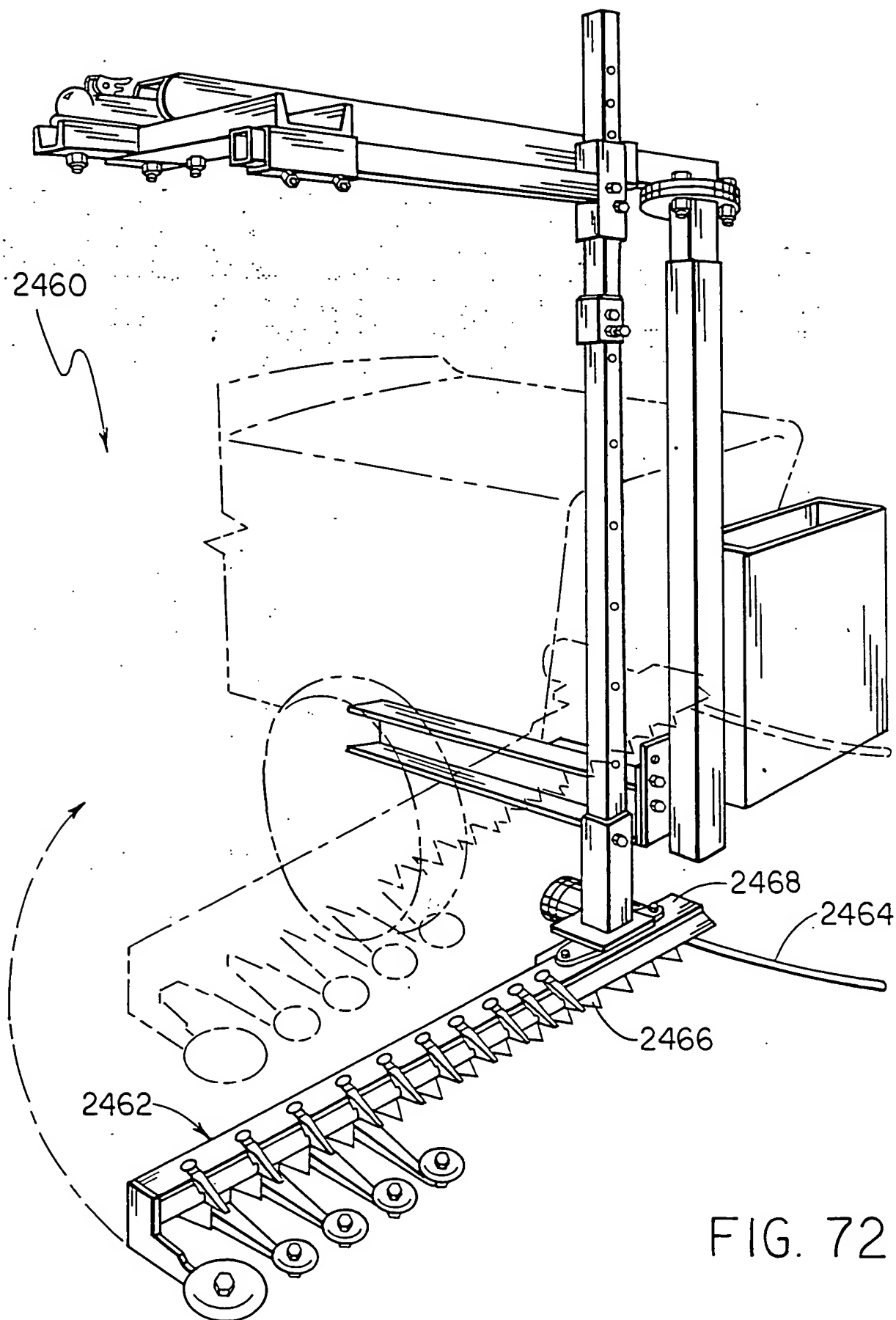


FIG. 72

FIG. 73

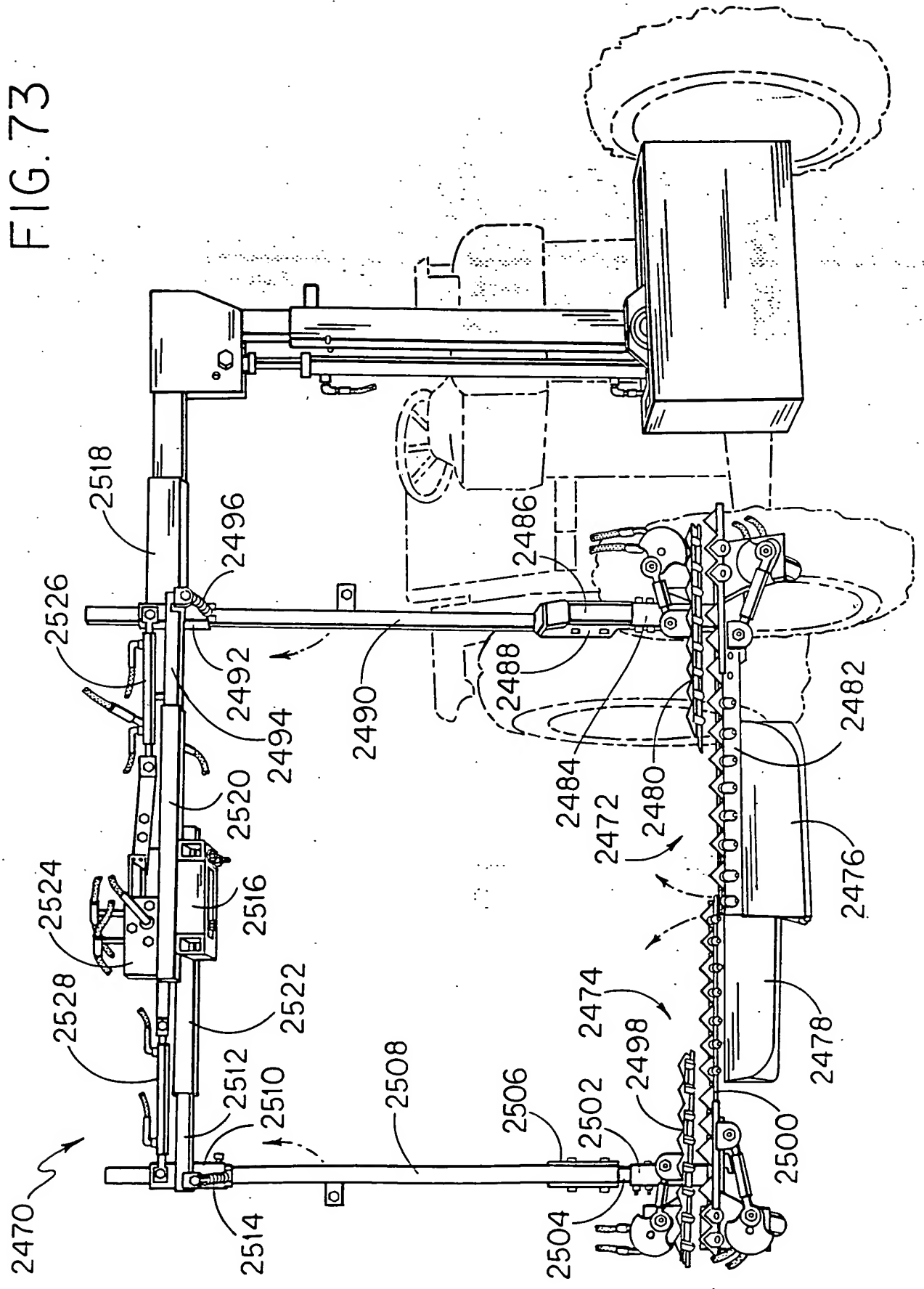


FIG. 74

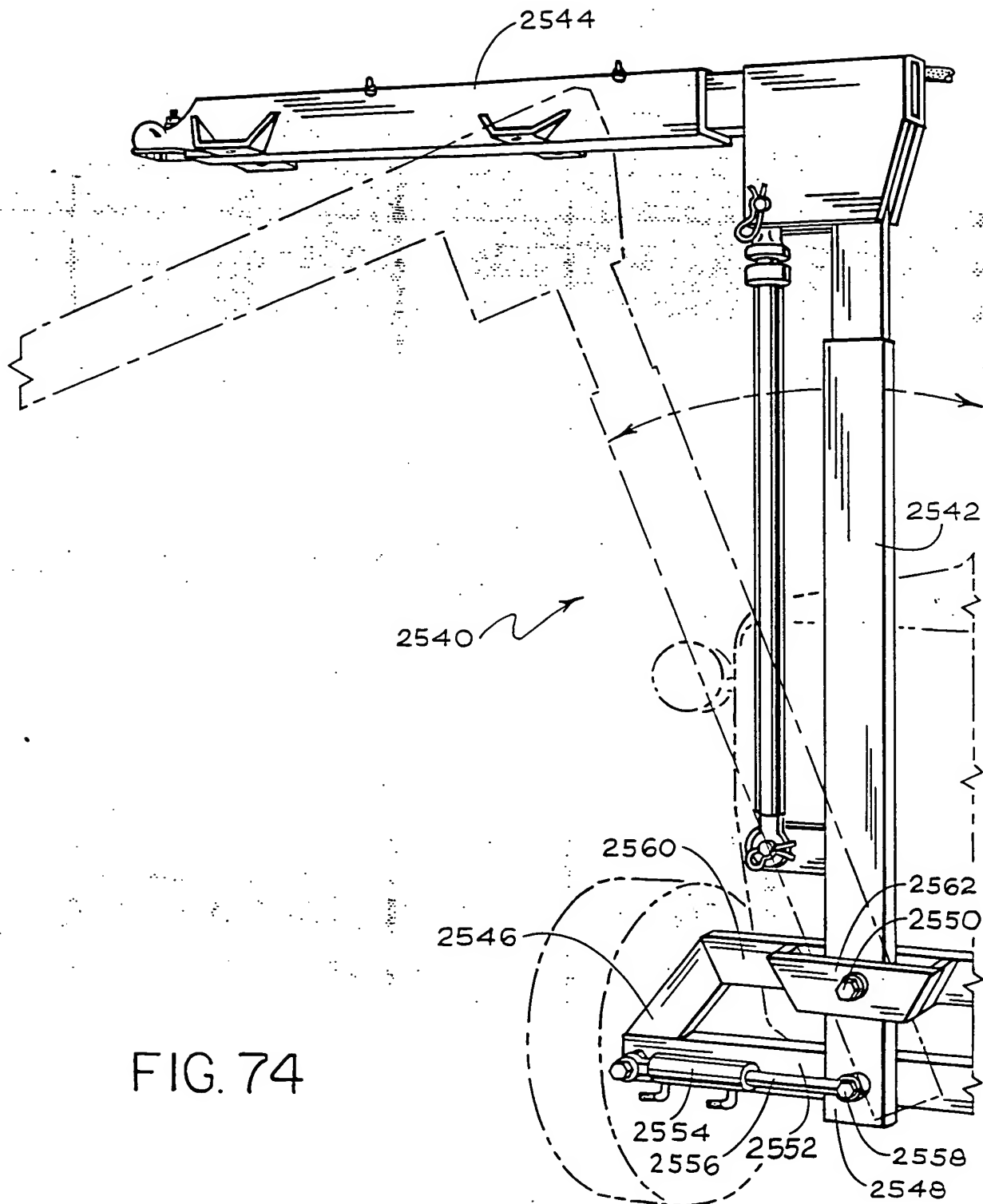


FIG. 74

FOOT "HTEHFOOT

A CORDON WIRE SUPPORT

B CORDON WIRE

C CORDON

D FRUITING CANE

E RENEWAL SPURS

POSTS ARE SPACED AT 24'

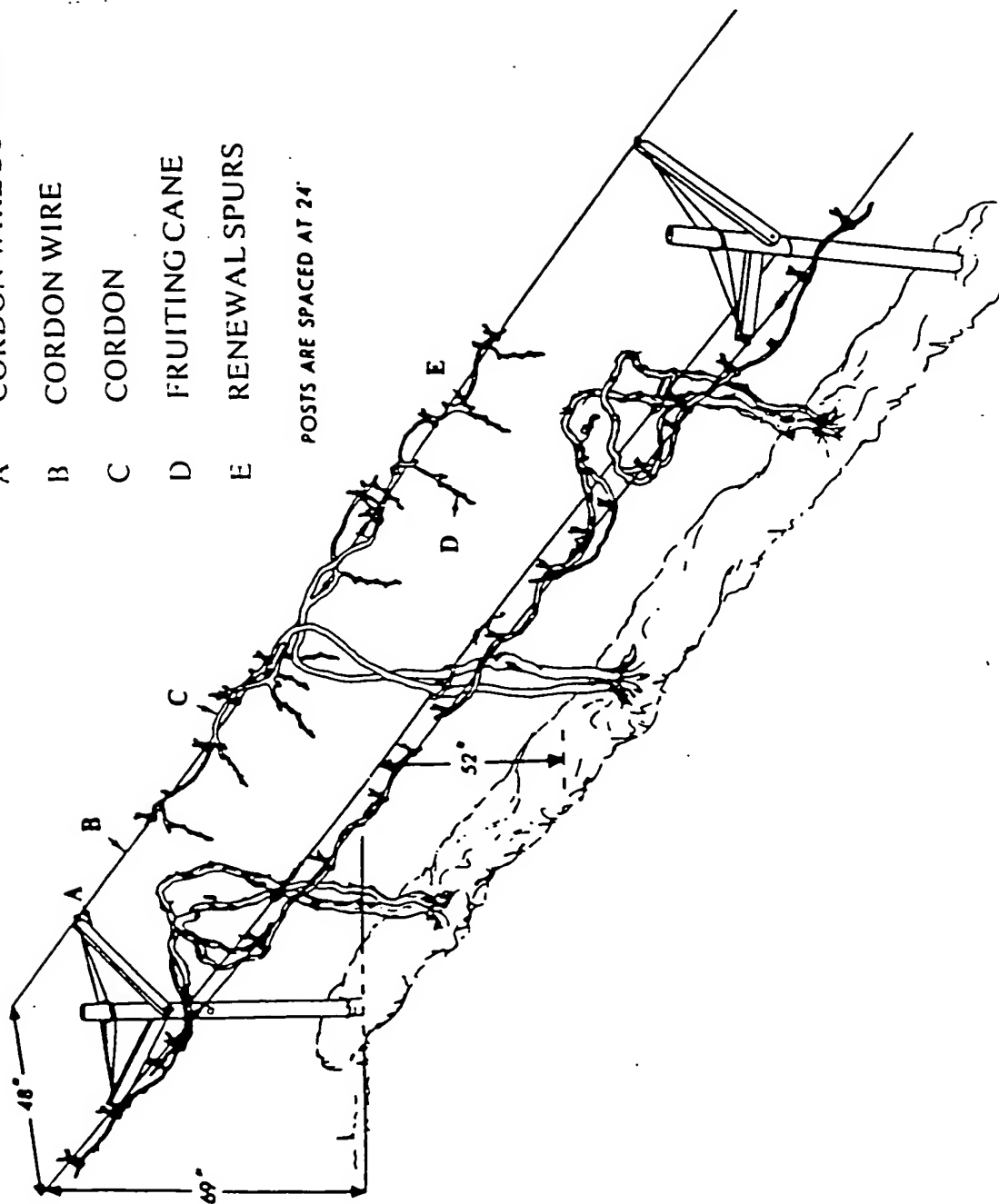


FIG. 75

10014914-10201

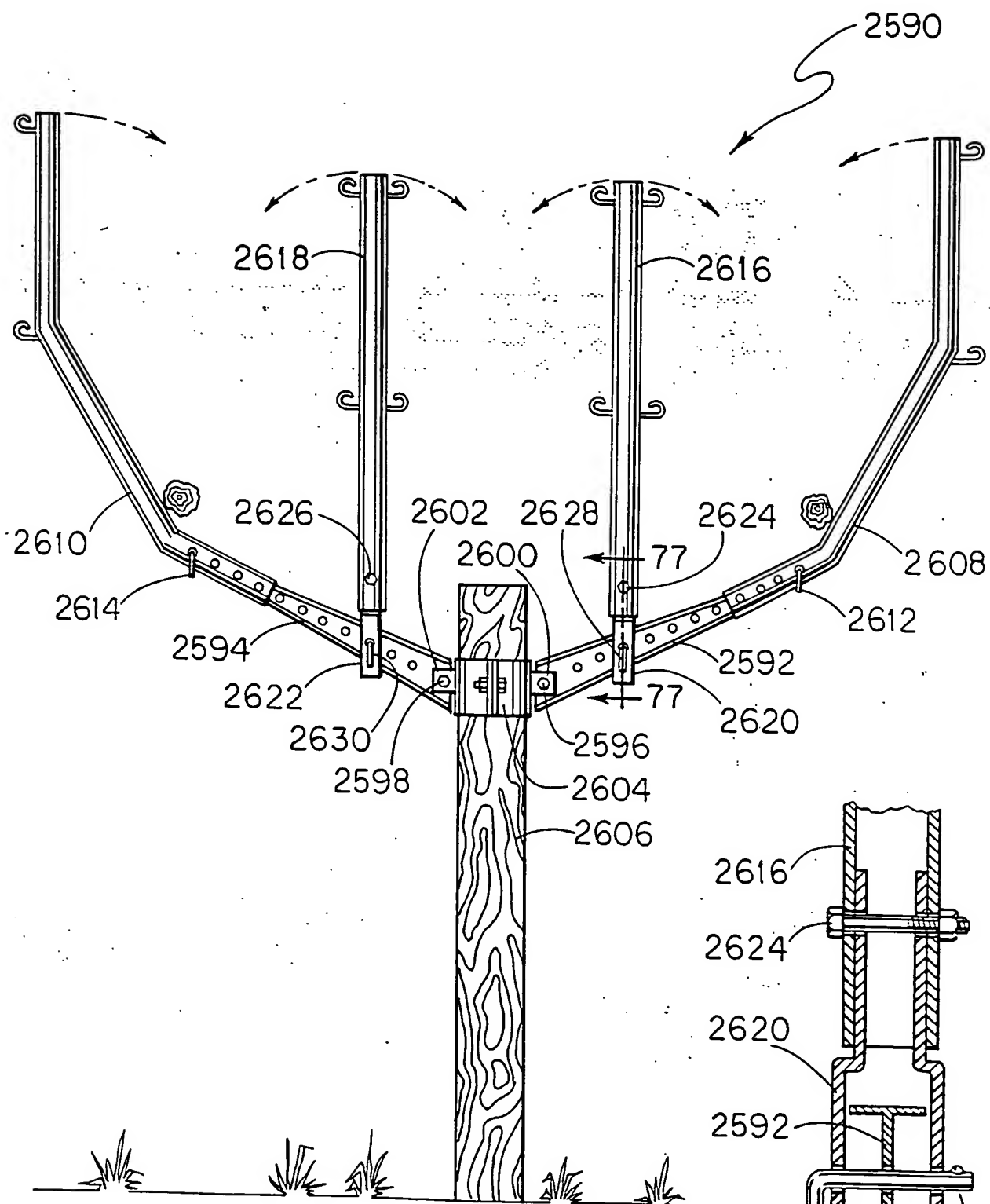


FIG. 76

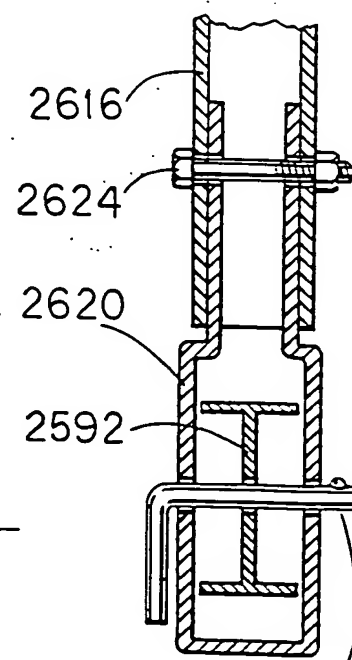


FIG. 77

10014914-102201

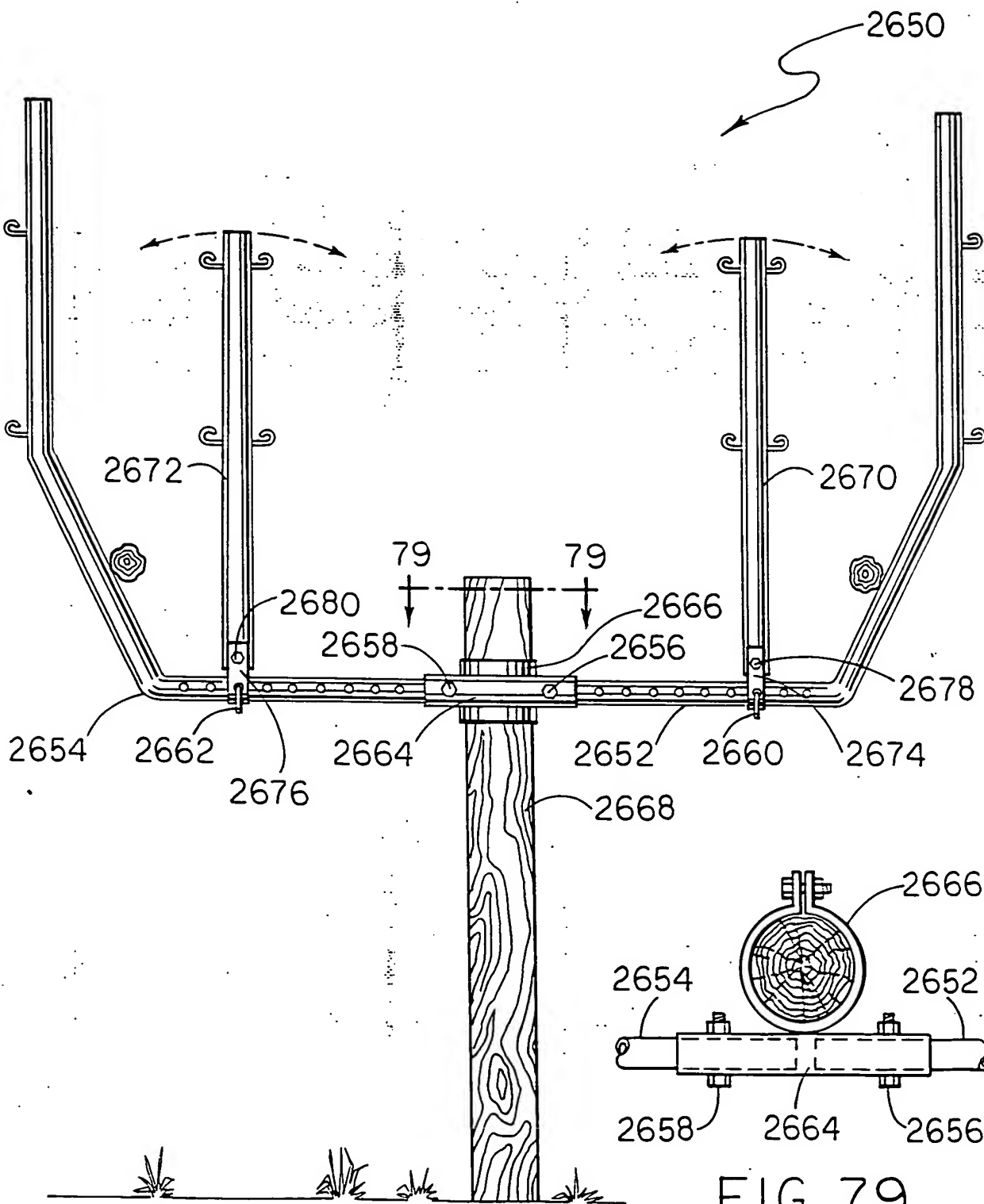


FIG. 78

FIG. 79

10014914 102201

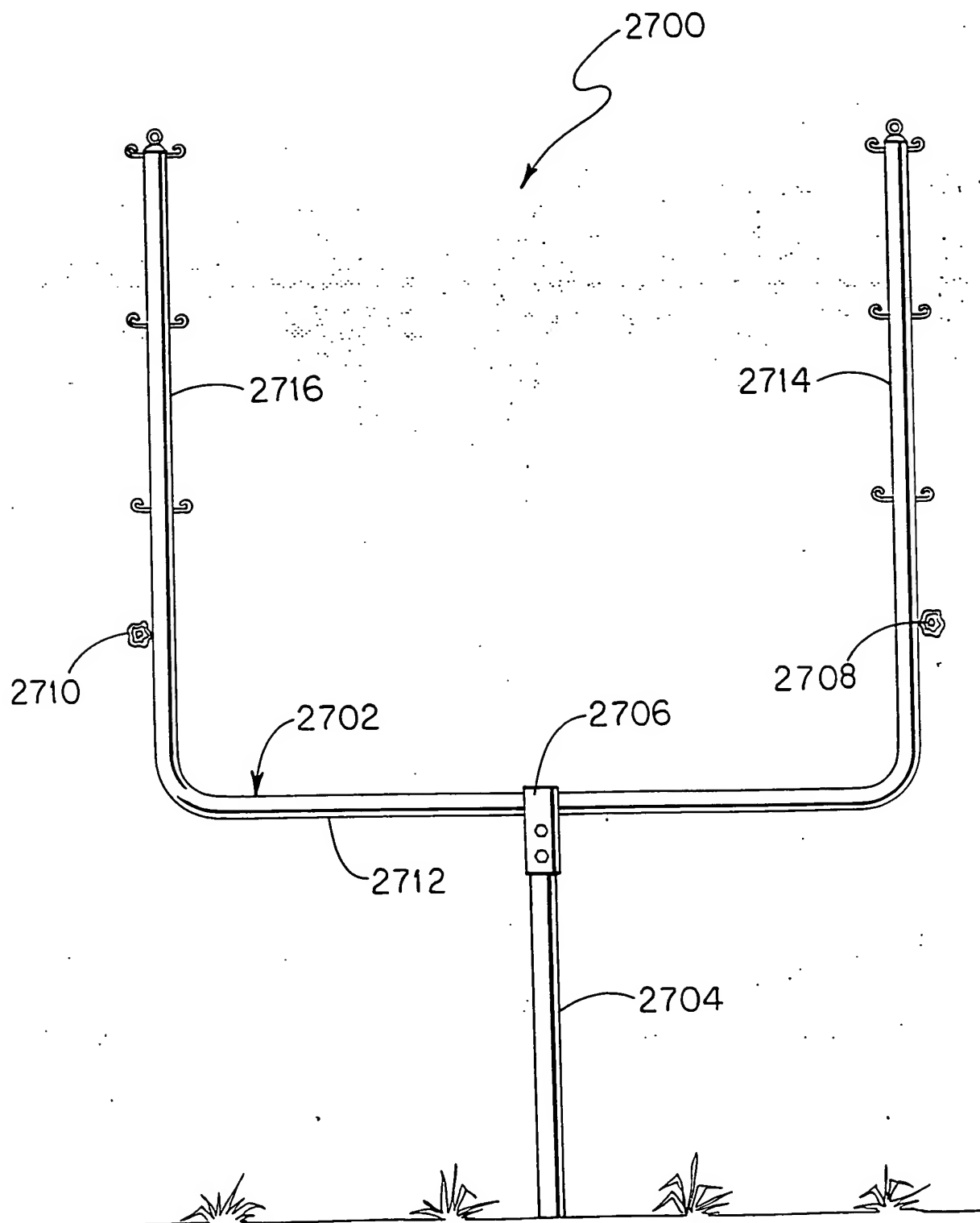


FIG. 80

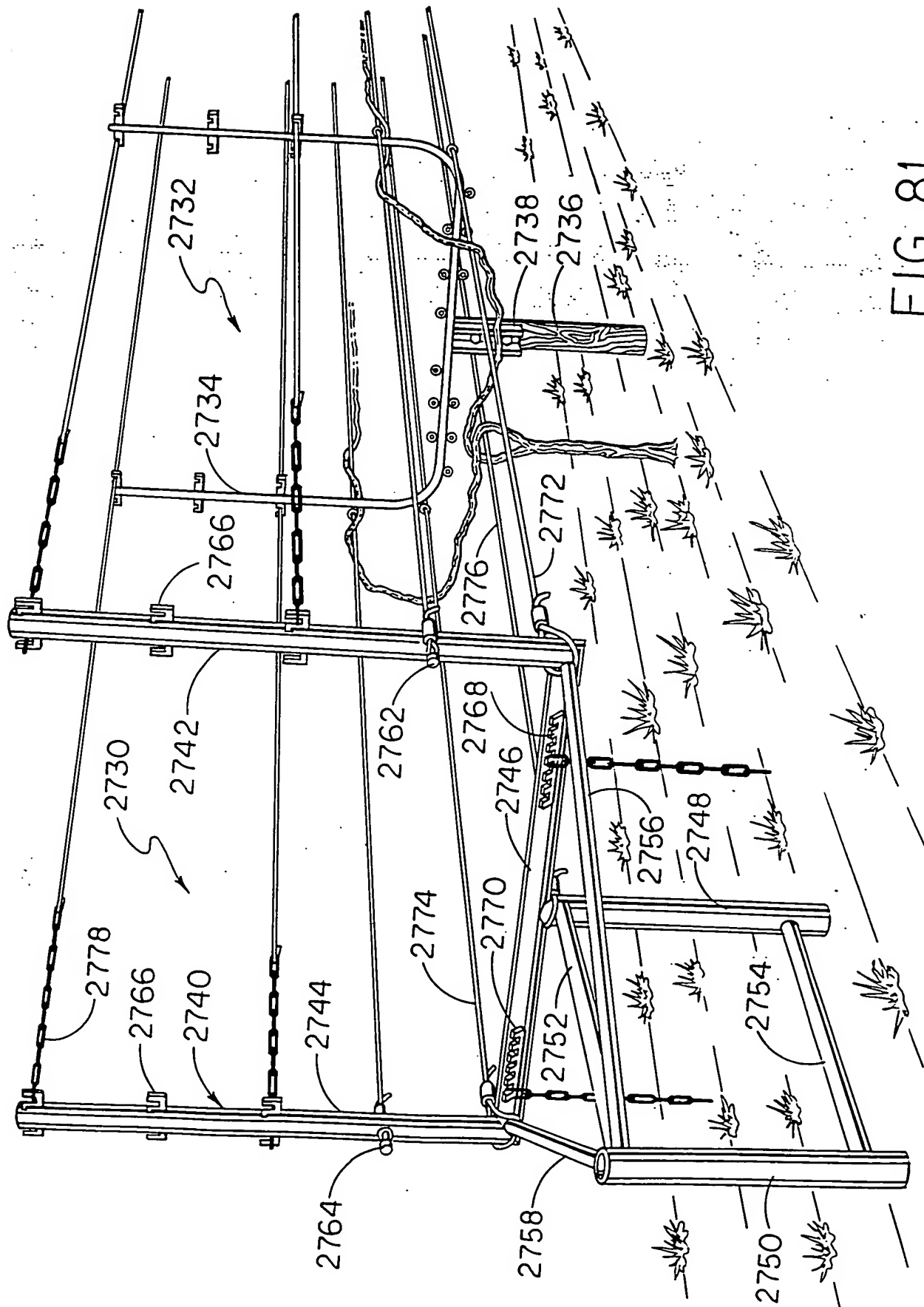


FIG. 81

FIG. 82

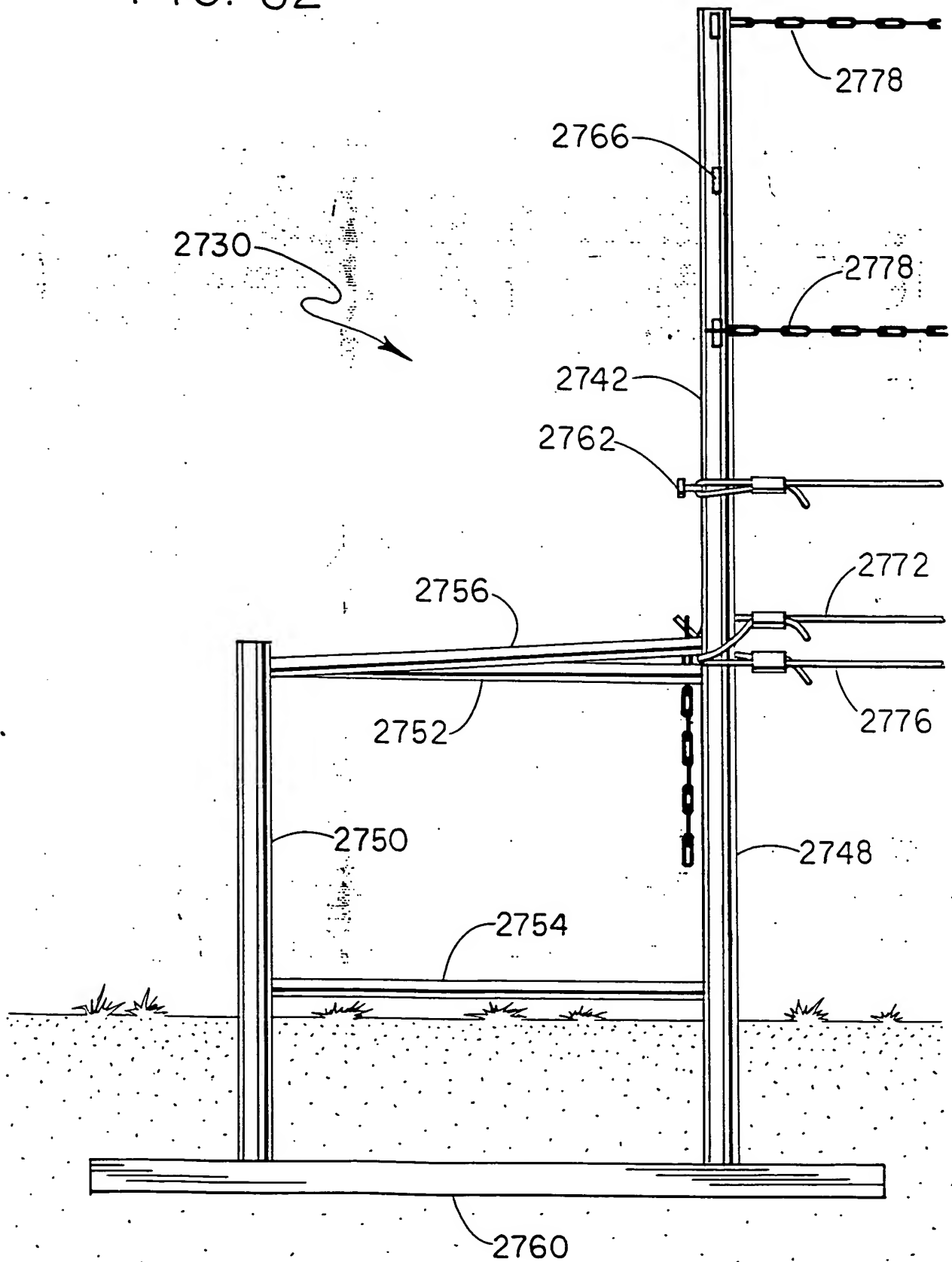


FIG. 83

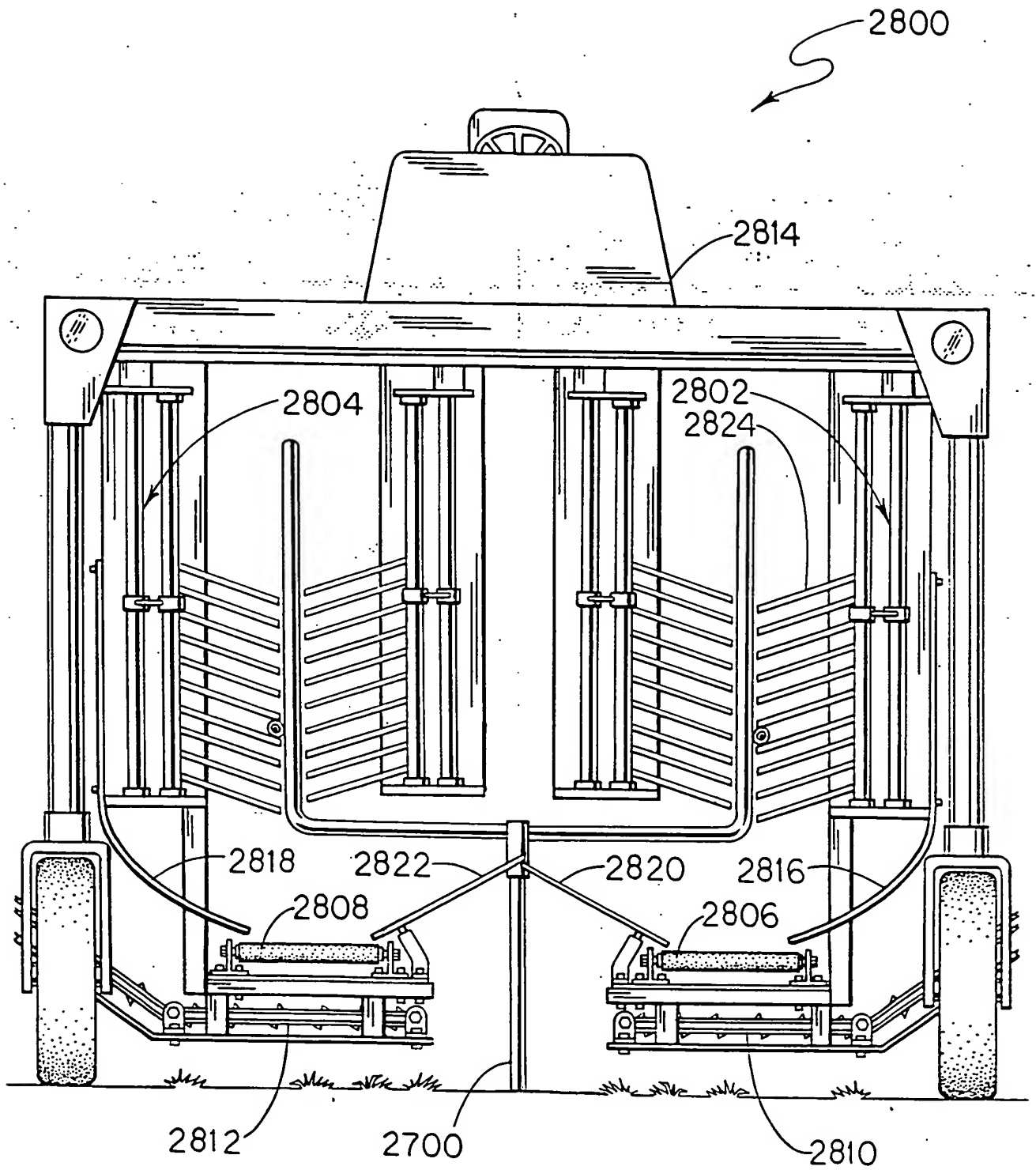


FIG. 83

FIG. 84

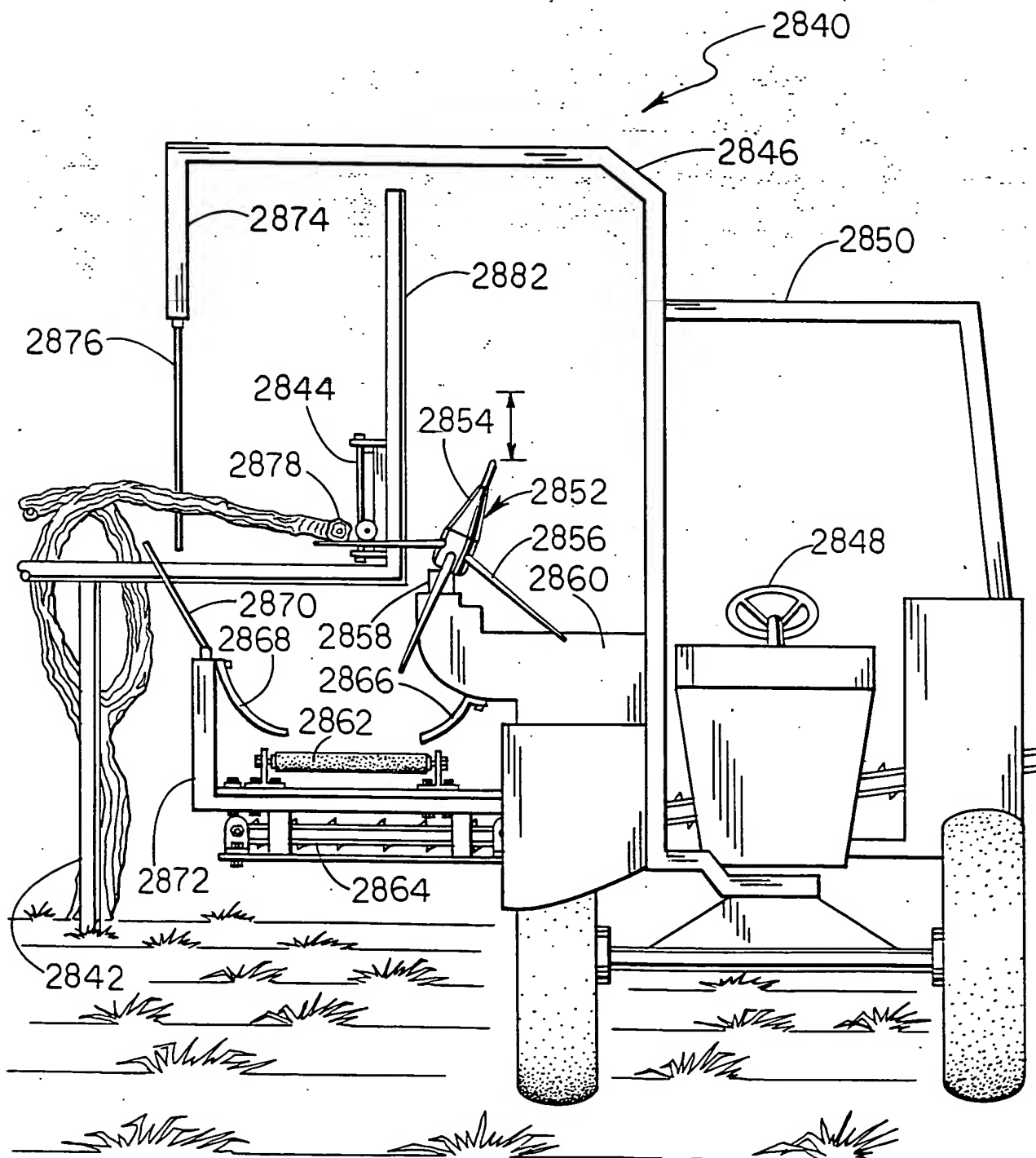


FIG. 84A

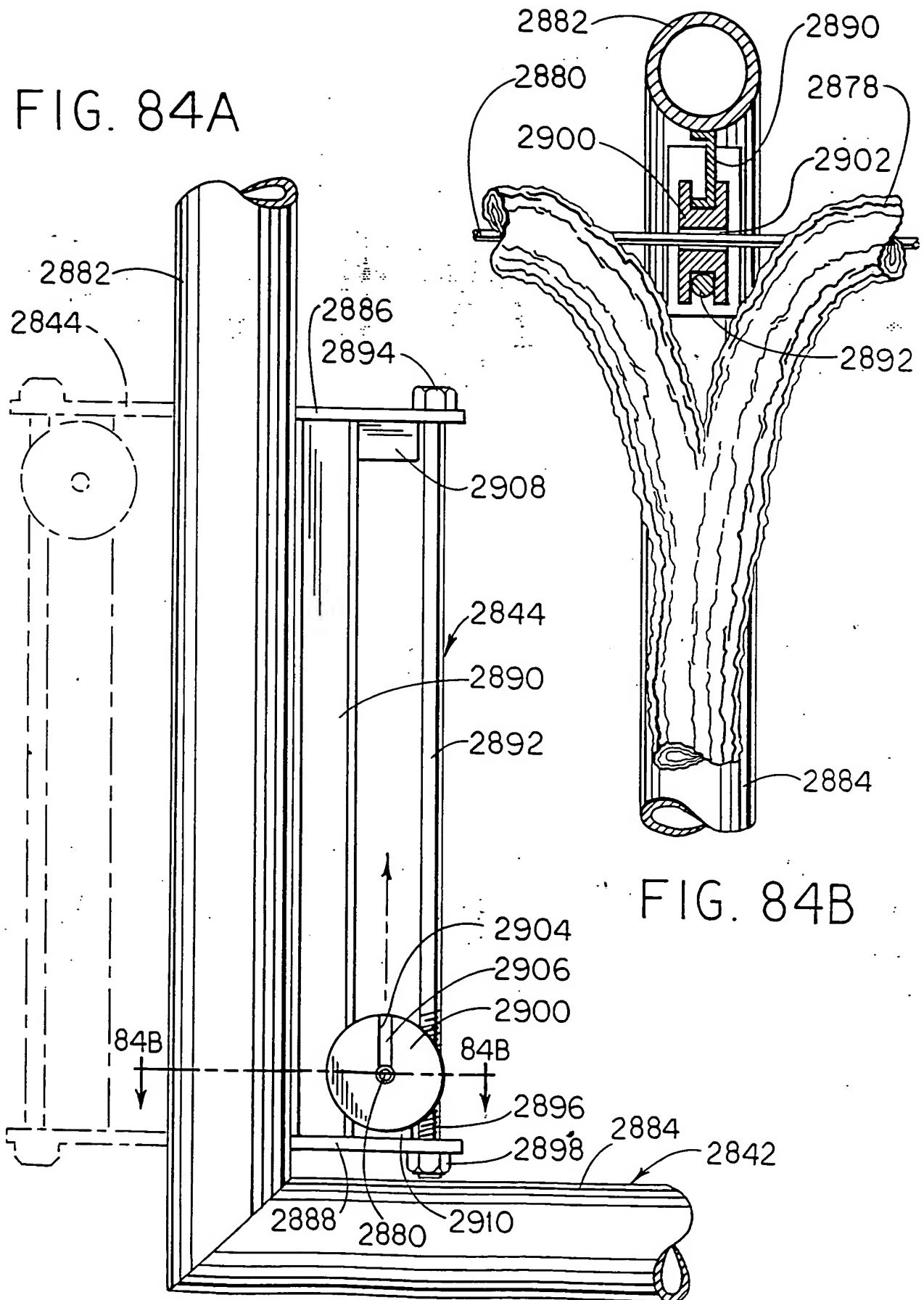


FIG. 84B

+

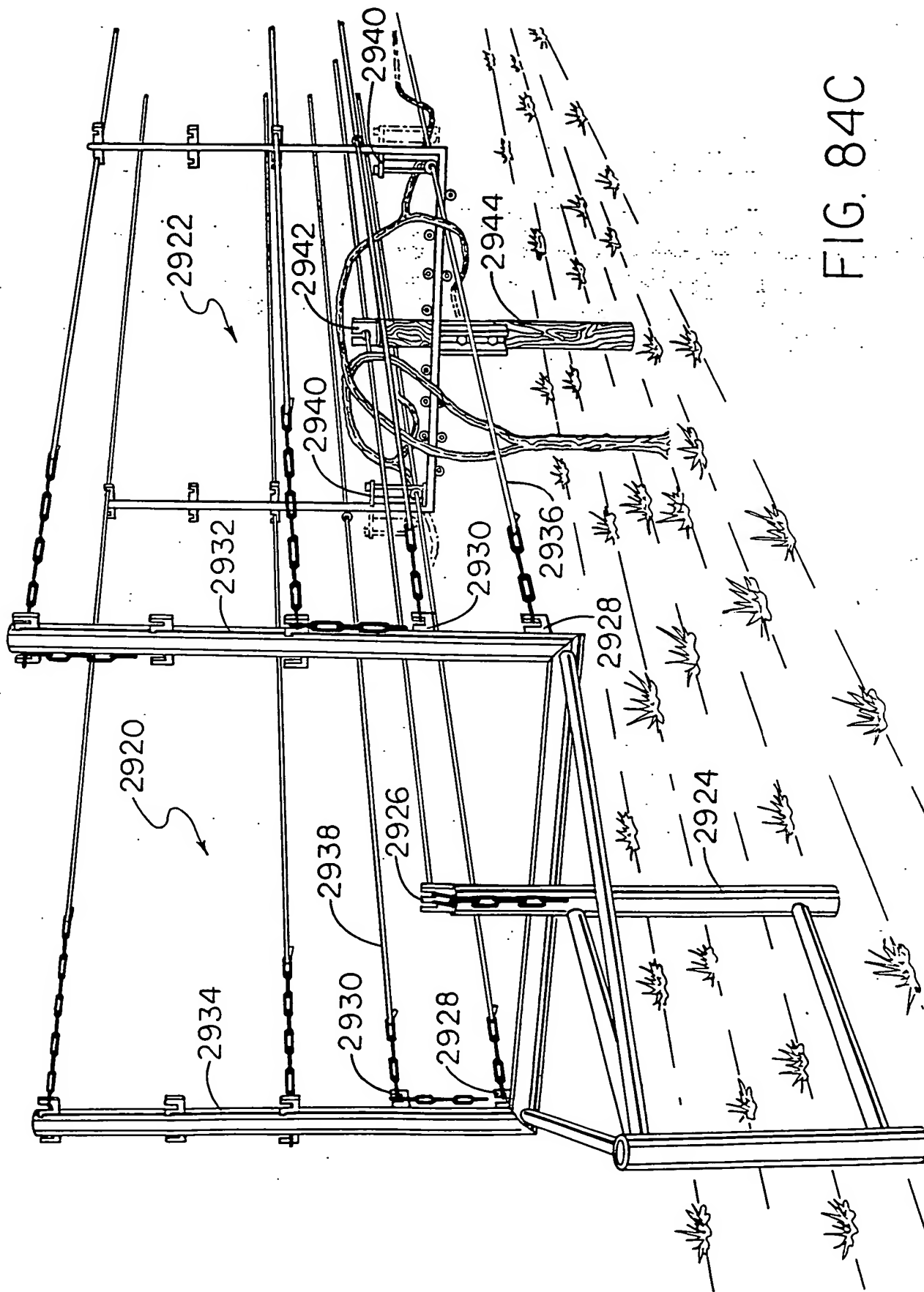


FIG. 84D

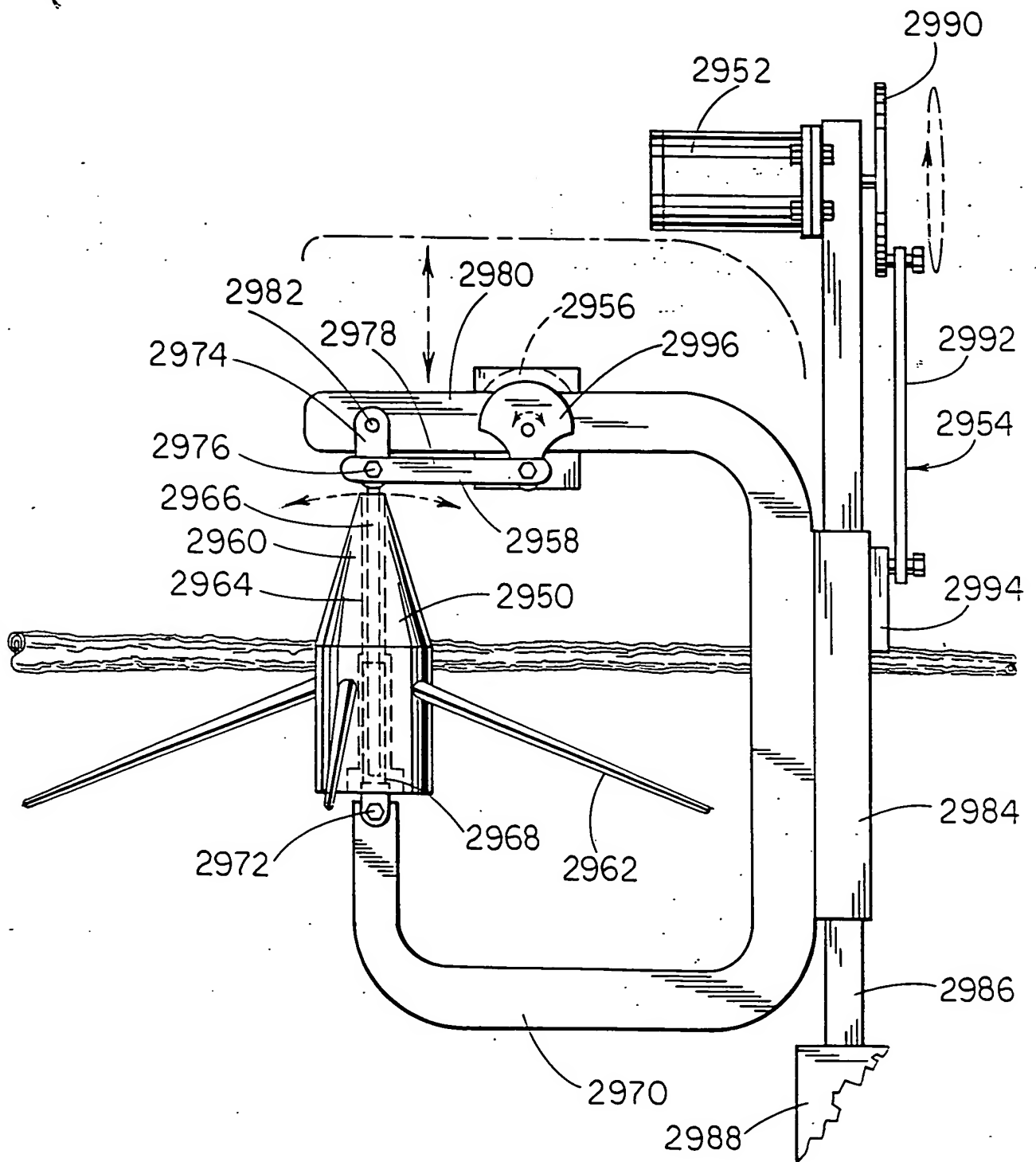


FIG. 84D

FIG. 85

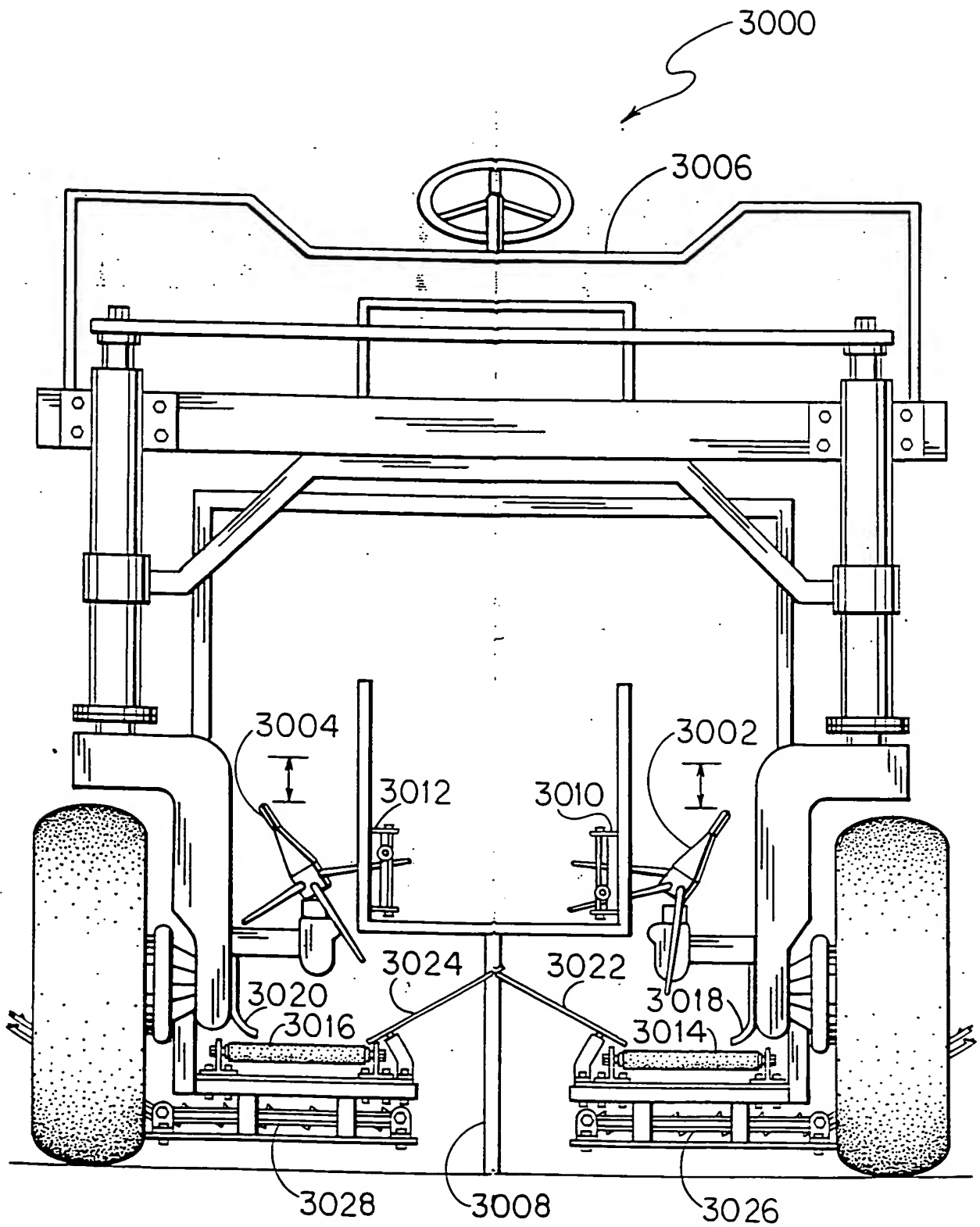


FIG. 85

I. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS

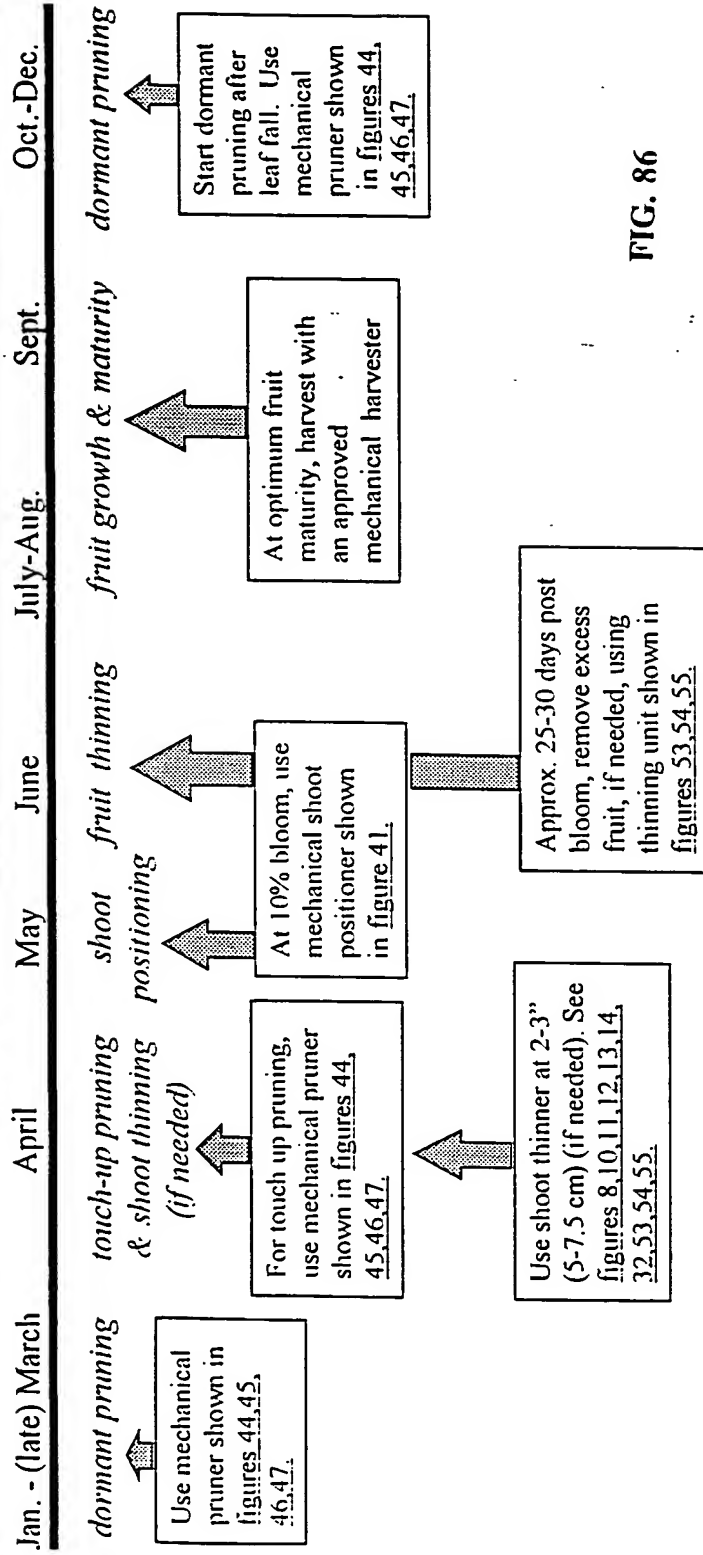


FIG. 86

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

II. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS AND GDC-LIKE CANOPY SYSTEMS

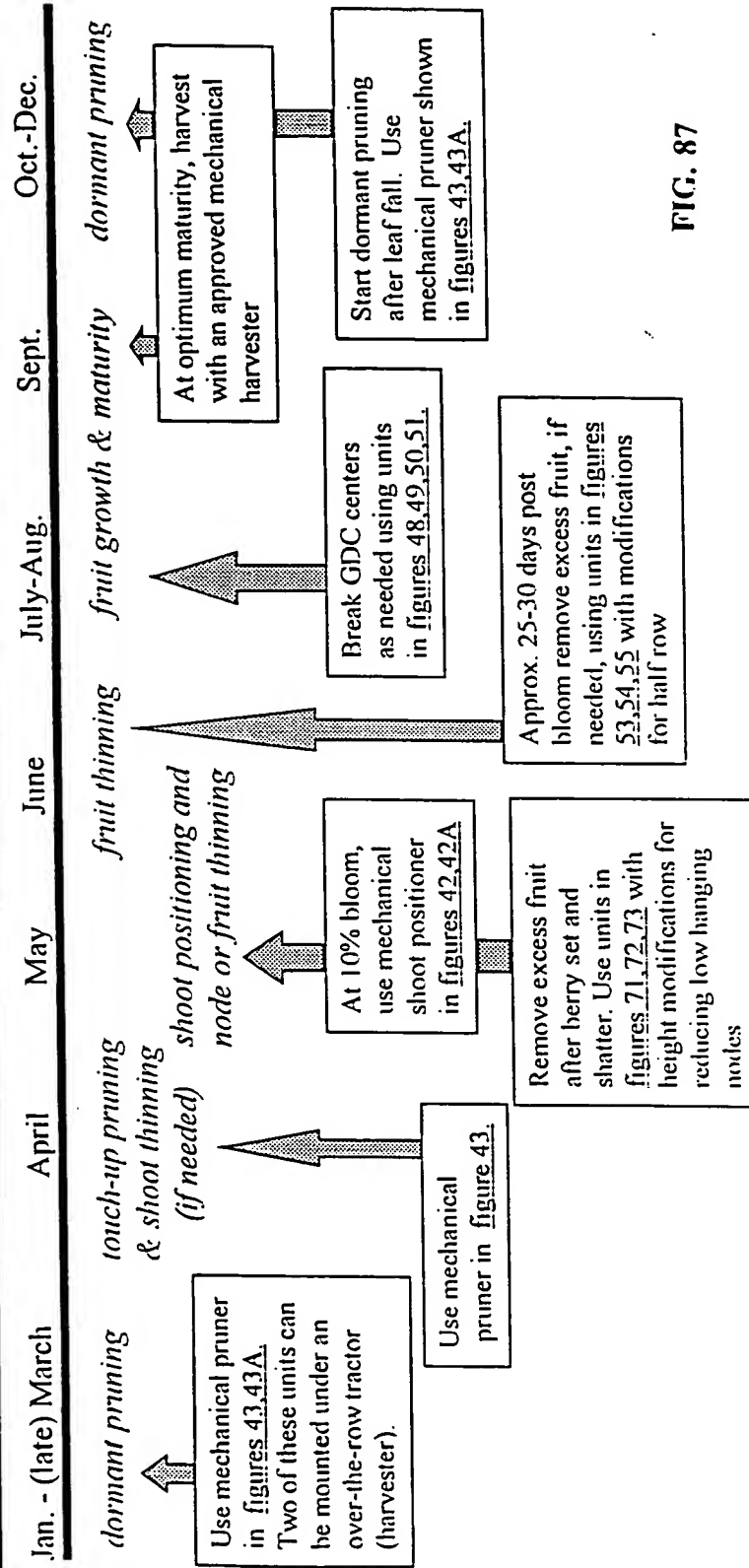


FIG. 87

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

III. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED *VITIS LABRUSCANA* (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS SYSTEMS

Jan. - (late) March April May June July-Aug. Sept. Oct.-Dec.

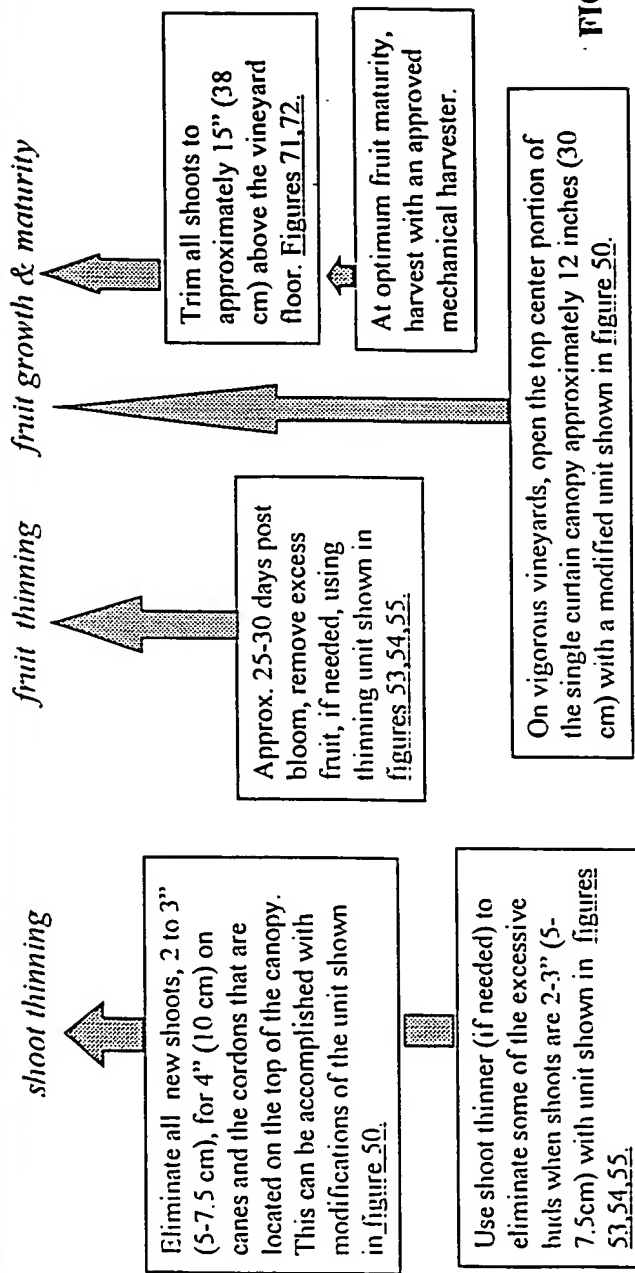


FIG. 88

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

IV. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS SYSTEMS

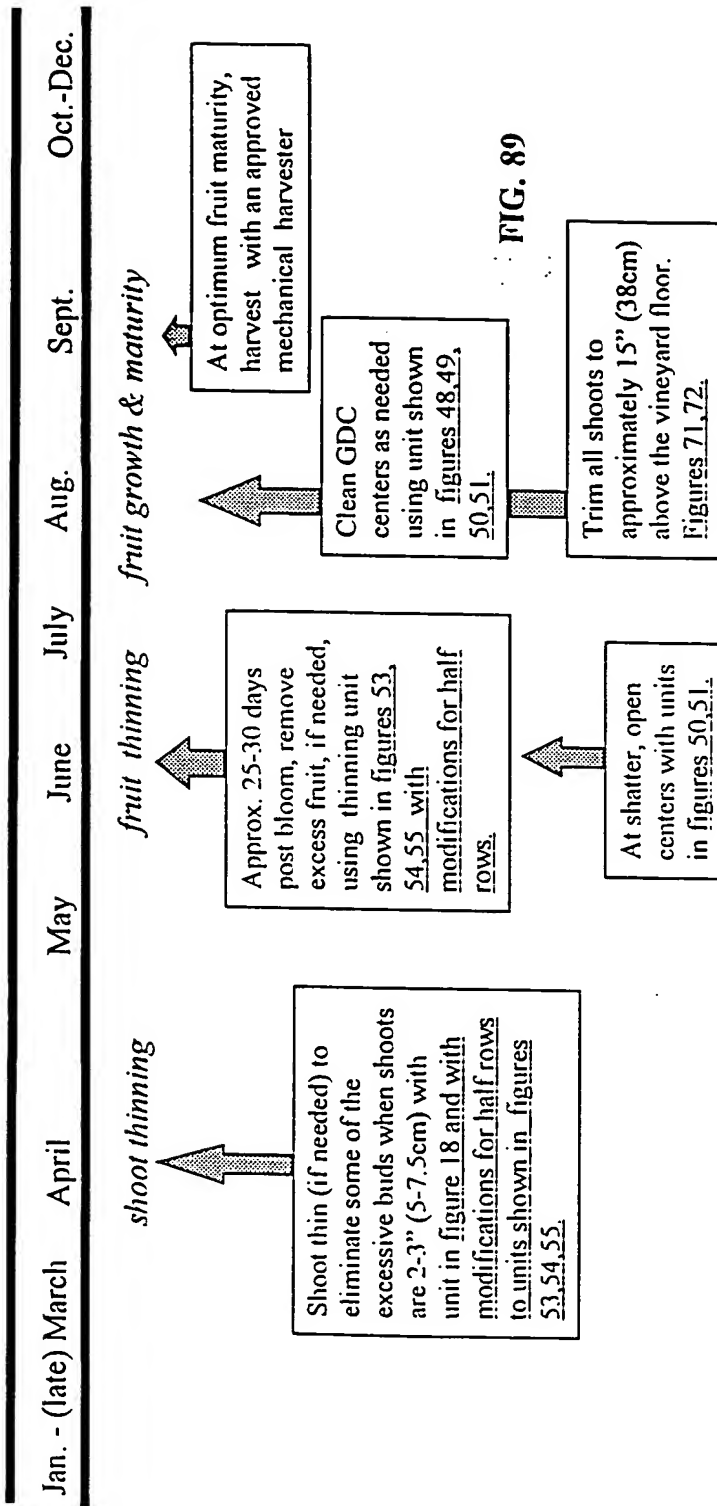


FIG. 89

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

V. SEASONAL CHART FOR VINEYARD MECHANIZATION
ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS
PRODUCED ON HIGH WIRE SINGLE CURTAIN TRELLISES

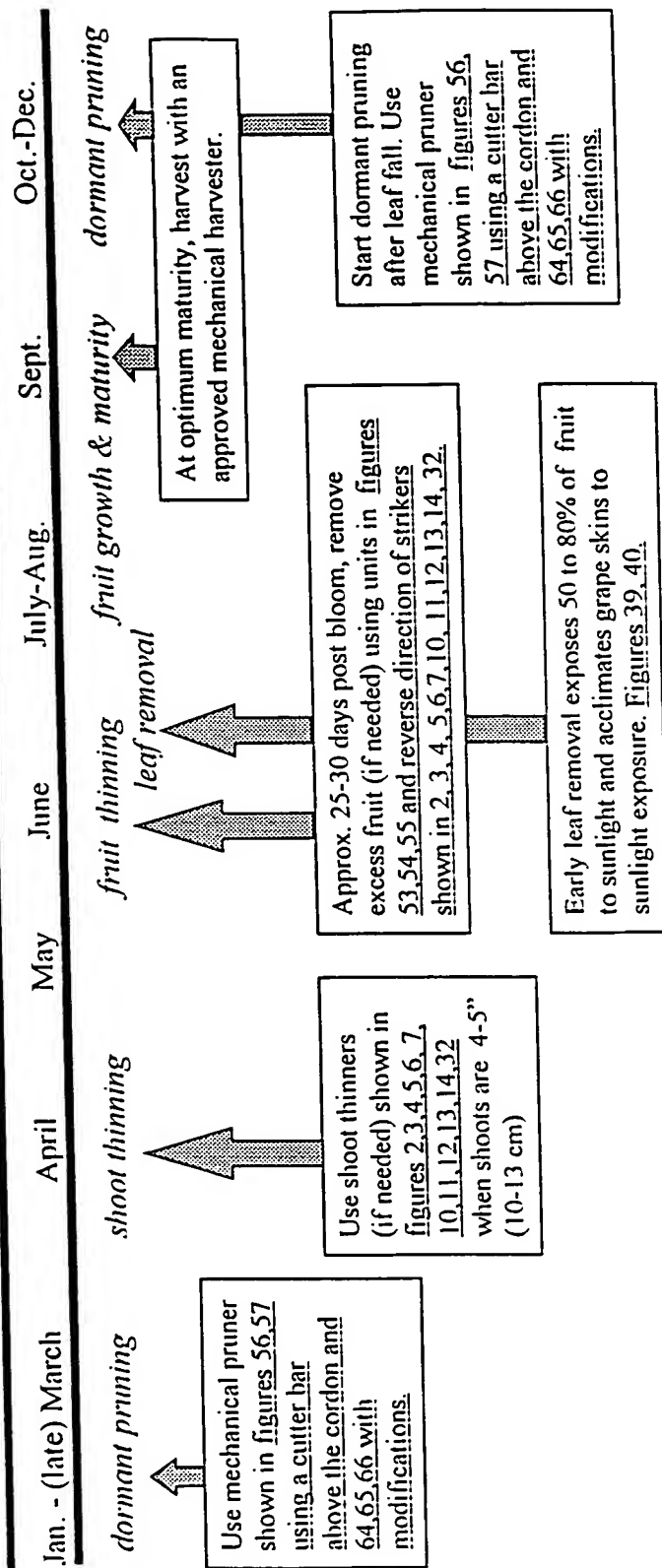


FIG. 20

The exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON GDC AND OTHER DIVIDED CANOPY TRELLISES

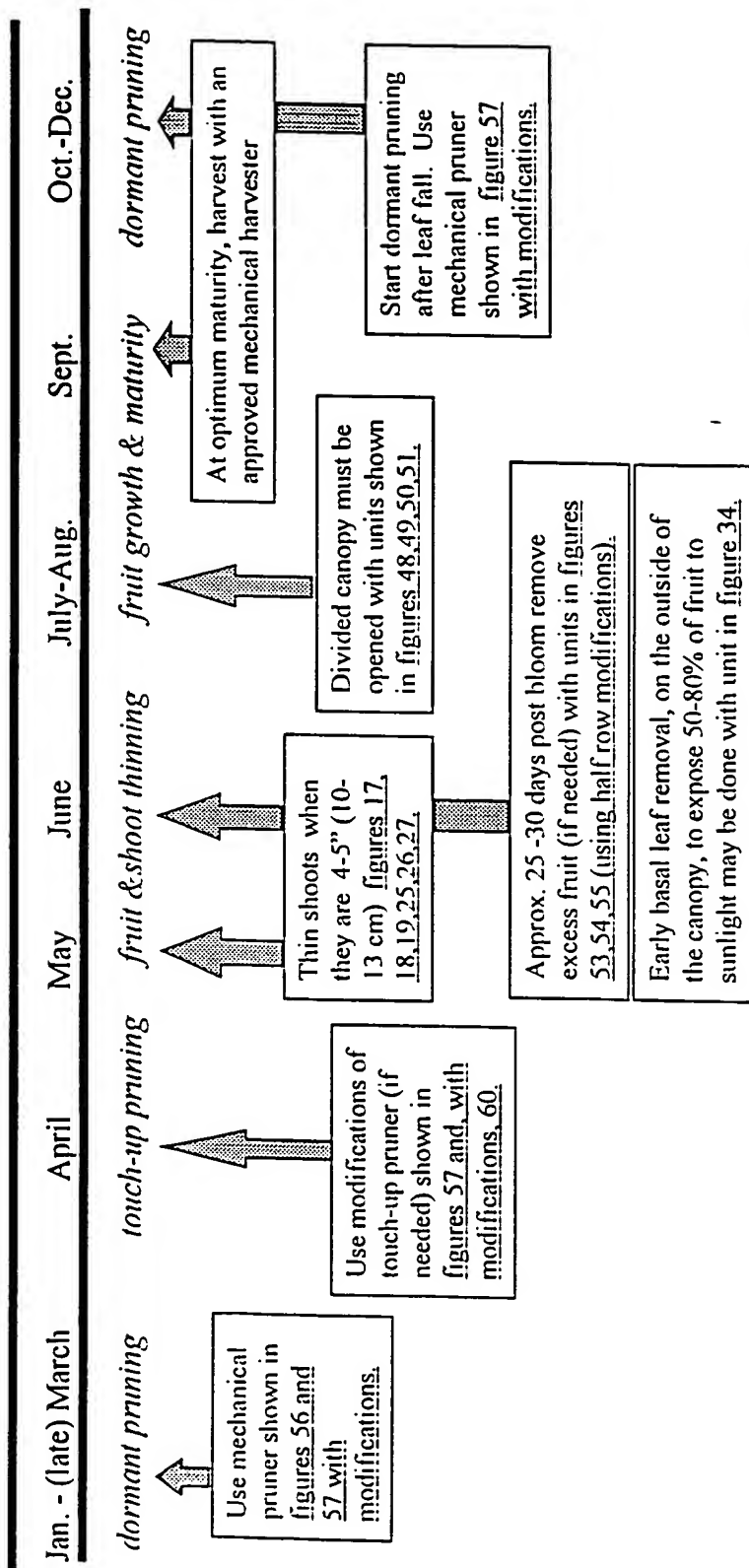


FIG. 91

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES IN MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS TRAINED TO A HIGH WIRE SINGLE CURTAIN TRELLISING SYSTEM.

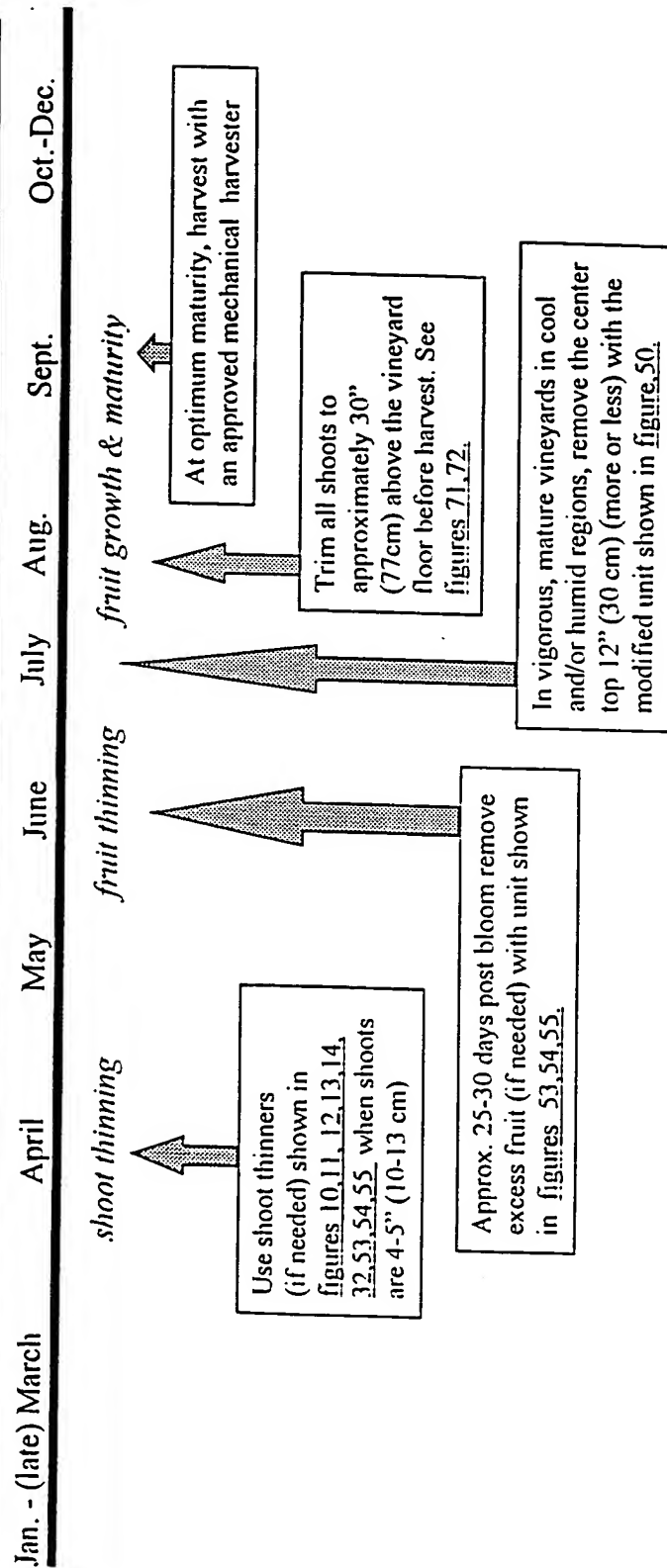


FIG. 92

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VIII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON GDC TRELLIS SYSTEMS

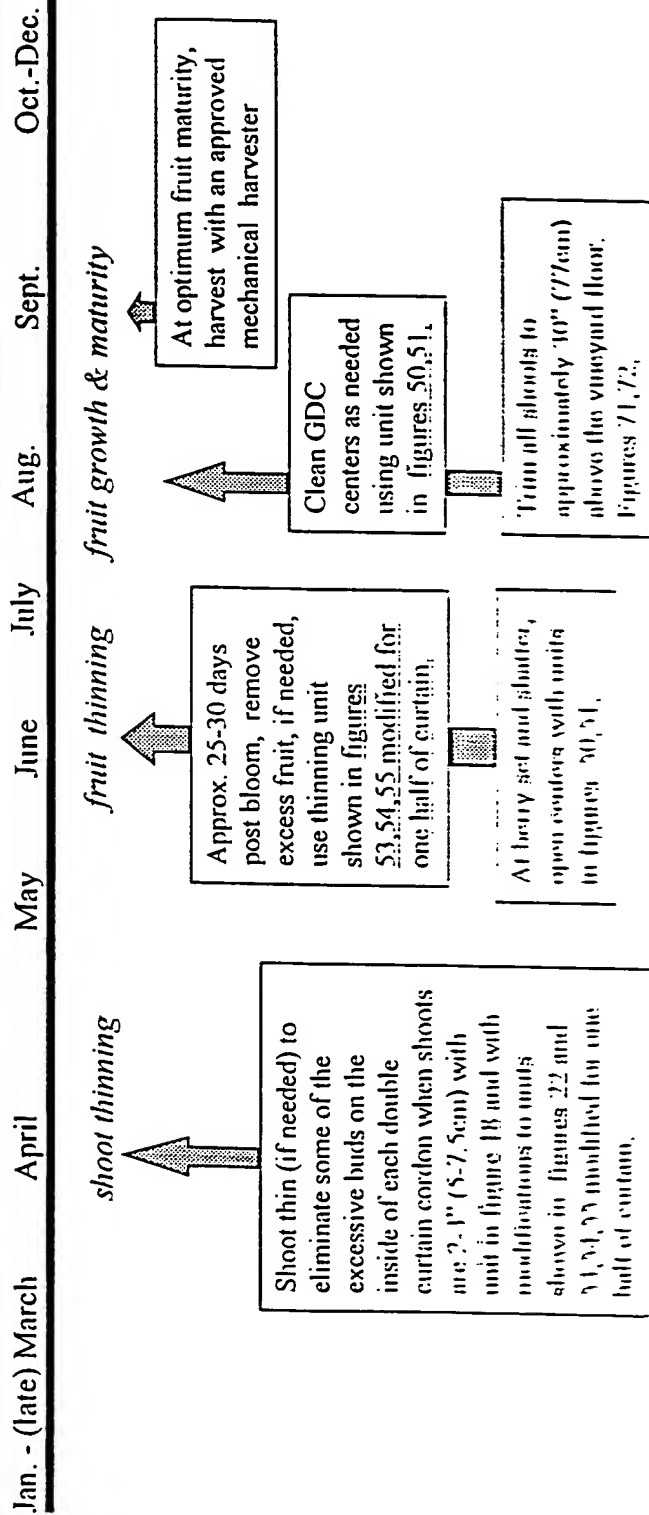


FIG. 93

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

**IX. SEASONAL CHART FOR VINEYARD MECHANIZATION
ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN
HYBRIDS PRODUCED ON STANDARD CALIFORNIA T-TRELLIS**

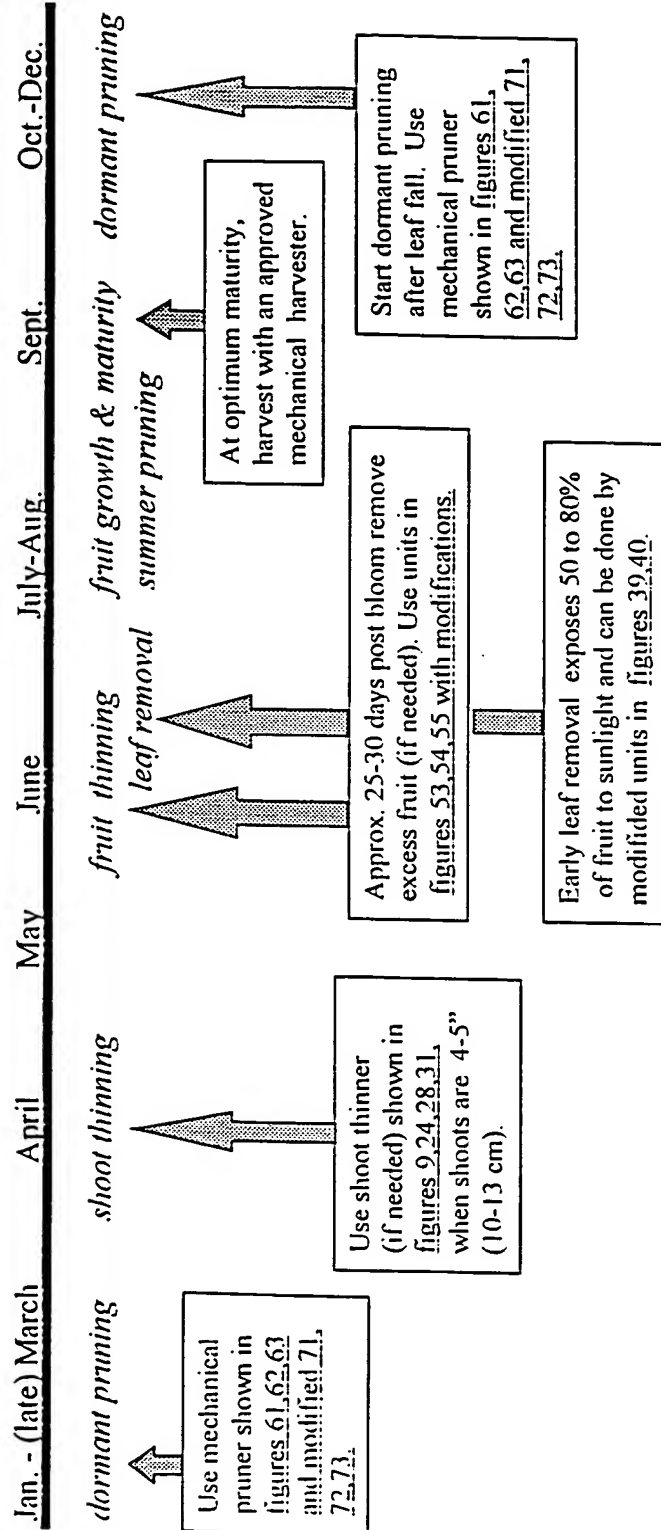


FIG. 94

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

X. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON STANDARD VERTICAL MOVEABLE CATCH WIRES

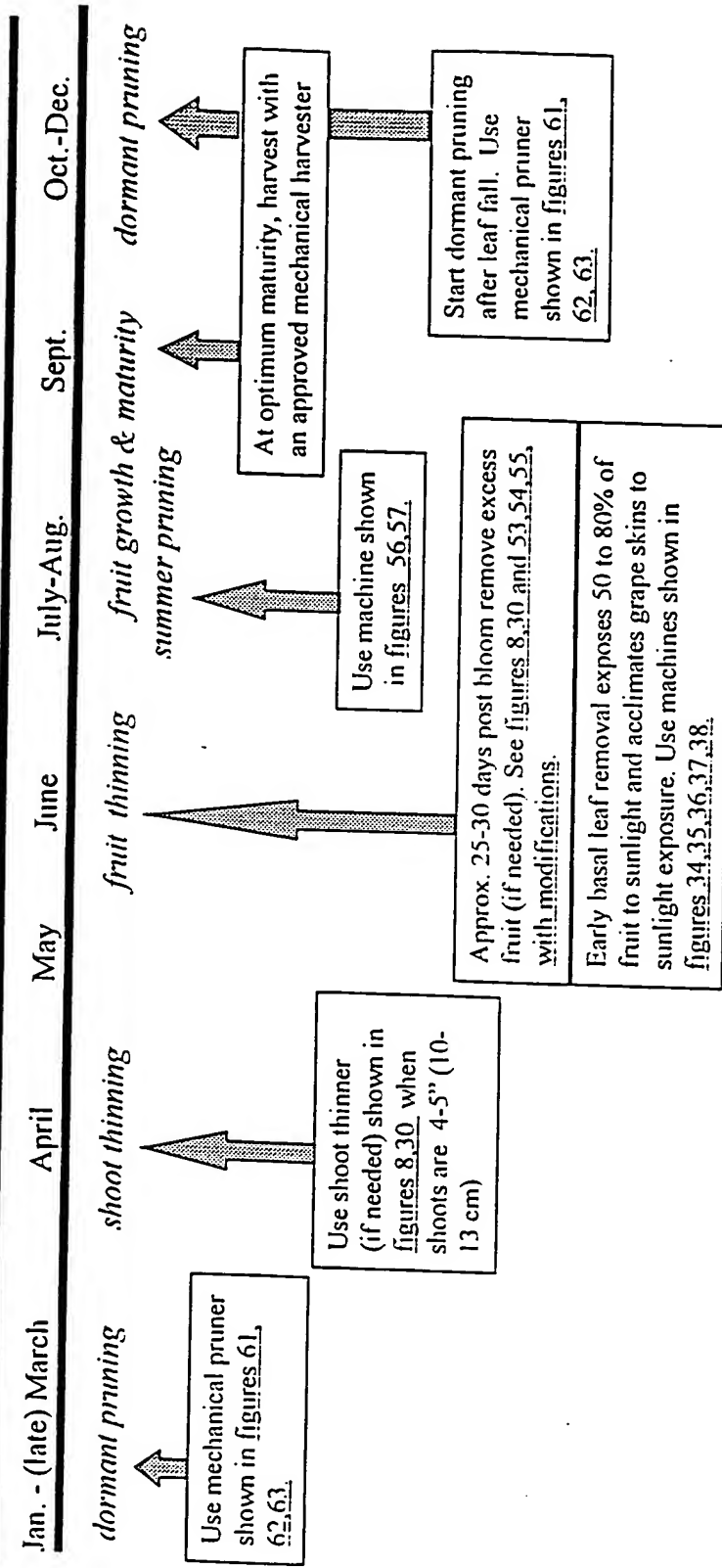


FIG. 95

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON LYRE OR "U" AND OTHER DIVIDED CANOPY TRELLISES

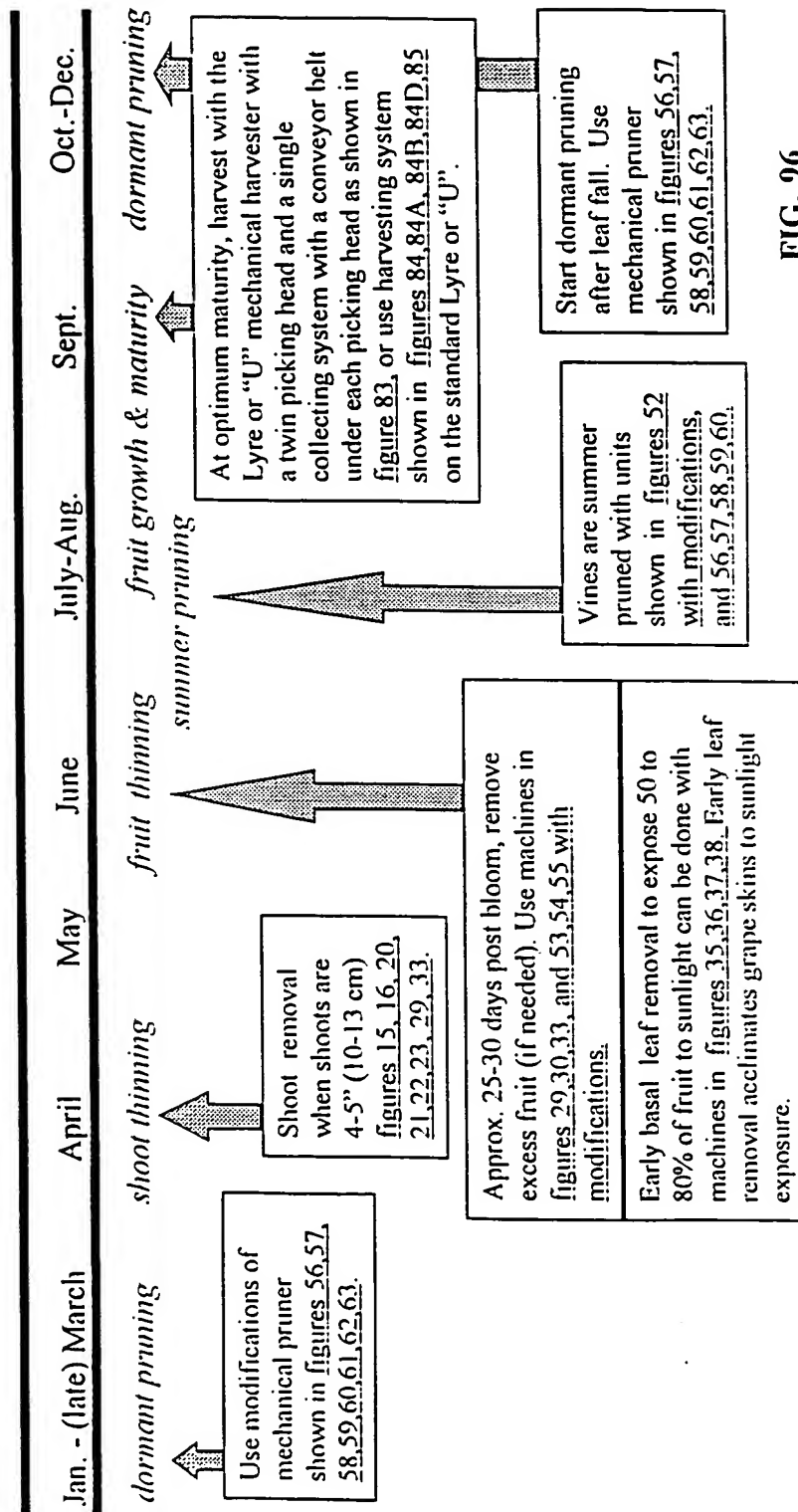


FIG. 96

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON SMART-DYSON BALLERINA (and similar) TRELLISING SYSTEMS.

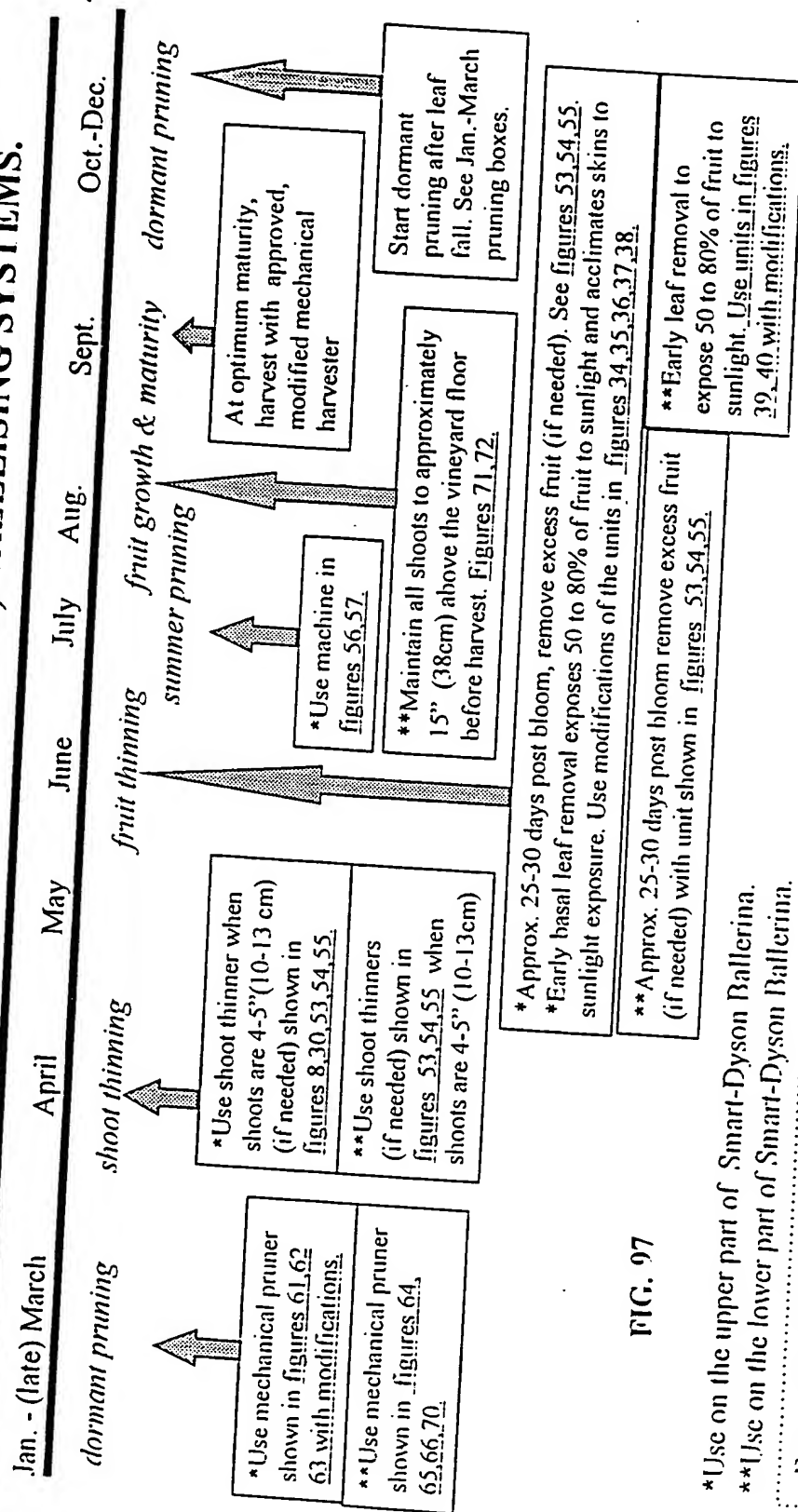


FIG. 97

*Use on the upper part of Smart-Dyson Ballerina.
 **Use on the lower part of Smart-Dyson Ballerina.

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.